F. Leger, Geoffrey

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Gwen Liung   Examiner #: 79180   Date: 10-20-03
Art Unit: 2172   Phone Number 30 5-3985   Serial Number: 09/782,178
Mail Box and Bldg/Room Location: CPK II AB X   Results Format Preferred (circle): **PAPER** DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.
****

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched.
Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or
utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if
known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: High Availability Database System Using Live/Load Database
Inventors (please provide full names): Copies GORELIK, Alexander; BURDA, Leon

Earliest Priority Filing Date: 2/11/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the
appropriate serial number.

Concept = (See attachment A)

Claim = 1 (focus on 1-3 & 1-5) (See Attachment B)

Best Available Copy

10-20-03 P02:57 IN

✱ Assignee = ACTA Technology, Inc

****

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: Geoffrey St Leger	NA Sequence (#)	STN
Searcher Phone #: 308-7800	AA Sequence (#)	Dialog ✓
Searcher Location: 4330	Structure (#)	Questel/Orbit
Date Searcher Picked Up: 10/27/3	Bibliographic ✓	Dr.Link
Date Completed: 10/29/3	Litigation	Lexis/Nexis
Searcher Prep & Review Time: 120	Fulltext ✓	Sequence Systems
Clerical Prep Time:	Patent Family	WWW/Internet
Online Time: 270	Other	Other (specify)

PTO-1590 (8-01)

STIC Search Report
EIC 2100

TO: Gwen Liang
Location: CPK2, 4B25
Art Unit : 2172
Friday, October 24, 2003

Case Serial Number: 09/782178

From: Geoffrey St. Leger
Location: EIC 2100
PK2-4B30
Phone: 308-7800

geoffrey.stleger@uspto.gov

Search Notes

Dear Examiner Liang,

Attached please find the results of your search request for application 09/782178. I searched Dialog's foreign patent files, technical databases, product announcement files and general files.

Please let me know if you have any questions.

Regards,

Geoffrey St. Leger
4B30/308-7800

STIC Search Results
F e e d b a c k   F o r m

EIC 2100

Questions about the scope or the results of the search? Contact *the EIC searcher or contact*:

Anne Hendrickson, EIC 2100 Team Leader
308-7831, CPK2-4B40

Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:* [   ]   *Example: 3730*

➤ *Relevant prior art **found**, search results used as follows:*

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

   Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
   (journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art **not found:***

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

```
File    8:Ei Compendex(R) 1970-2003/Oct W2
          (c) 2003 Elsevier Eng.  Info. Inc.
File   35:Dissertation Abs Online 1861-2003/Sep
          (c) 2003 ProQuest Info&Learning
File  202:Info. Sci. & Tech. Abs. 1966-2003/Sep 16
          (c) 2003 EBSCO Publishing
File   65:Inside Conferences 1993-2003/Oct W3
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File    2:INSPEC 1969-2003/Oct W2
          (c) 2003 Institution of Electrical Engineers
File  233:Internet & Personal Comp. Abs. 1981-2003/Jul
          (c) 2003, EBSCO Pub.
File   94:JICST-EPlus 1985-2003/Oct W3
          (c)2003 Japan Science and Tech Corp(JST)
File  603:Newspaper Abstracts 1984-1988
          (c)2001 ProQuest Info&Learning
File  483:Newspaper Abs Daily 1986-2003/Oct 20
          (c) 2003 ProQuest Info&Learning
File    6:NTIS 1964-2003/Oct W3
          (c) 2003 NTIS, Intl Cpyrght All Rights Res
File  144:Pascal 1973-2003/Oct W2
          (c) 2003 INIST/CNRS
File  434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
          (c) 1998 Inst for Sci Info
File   34:SciSearch(R) Cited Ref Sci 1990-2003/Oct W3
          (c) 2003 Inst for Sci Info
File   99:Wilson Appl. Sci & Tech Abs 1983-2003/Sep
          (c) 2003 The HW Wilson Co.
File  583:Gale Group Globalbase(TM) 1986-2002/Dec 13
          (c) 2002 The Gale Group
File  266:FEDRIP 2003/Sep
          Comp & dist by NTIS, Intl Copyright All Rights Res
File   95:TEME-Technology & Management 1989-2003/Oct W1
          (c) 2003 FIZ TECHNIK
File  438:Library Lit. & Info. Science 1984-2003/Sep
          (c) 2003 The HW Wilson Co
```

Set	Items	Description
S1	4178430	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2	52005	(FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE)(5W)S1
S3	63074	(SECOND? OR 2ND OR TWO)(5W)S1
S4	70	S2(5N)S3(5N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR - REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5	104898	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???)(7N)S1
S6	195417	(WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???)(7N)S1
S7	37148	S1(5N)(SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX-CHANG? OR SWAP????)
S8	0	S4 AND S5 AND S6 AND S7
S9	62442	S1(7N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10	9	S9 AND S5 AND S6 AND S7
S11	3	S9 AND S2 AND S3 AND S7
S12	12	S10:S11
S13	11	RD (unique items)
S14	10	S13 NOT PY=2001:2003
S15	51	S2 AND S3 AND S7
S16	37	RD (unique items)
S17	28	S16 NOT (S14 OR PY=2001:2003)
S18	111	S5 AND S6 AND S7
S19	96	RD (unique items)
S20	76	S19 NOT (S14 OR S17 OR PY=2001:2003)
S21	323	AU=(GORELIK, A? OR GORELIK A? OR BURDA L? OR BURDA, L?)
S22	0	S7 AND S21

2401105
Electronic system for accessing graphical and textual information.
Author(s): Burket, T G; Calo, S.B.; Kannan, K.; Soo, S.S.; et al.
Patent Number(s): US 4805134
Publication Date: Feb 14, 1989
Language: English
Document Type: Patent
Record Type: Abstract
Journal Announcement: 2400

A system for enabling users thereof to electronically access a wide range
of information, and including a capability for interuser messaging and
executing of transactions, comprising: a. terminal means for displaying
graphical and textual information to a user; b. a first operational node
connected to said terminal means and comprising: (1) **first   database**
means comprising page means for providing graphical and textual
information, said page means comprising a plurality of pages, each page
comprising a variable length electronic data structure comprising control
information and displayable data, said control information comprising at
least one exit path for directing the user from one page to another page;
and (2) first application program means for exchanging messages and
executing transactions on behalf of said user; and c. a **second**
operational node comprising **second   database** means and second
application program means for respectively providing graphical and textual
information, and exchanging messages and executing transaction on behalf of
said user; and d. means for enabling said terminal means to access said
graphical and textual information from said **first** and **second   database**
means and to **exchange** messages and execute transactions with said second
operational node, through said first node means.

Descriptors: Access; Electronic information systems; Graphics; Information
   retrieval systems
Classification Codes and Description: 5.11 (Searching and Retrieval)
Main Heading: Information Processing and Control

2300106
Optical switch , **especially for information** storage **and retrieval.**
Author(s): Haussuhl, S; Krasser, W.; Woike, T.
Patent Number(s): US 4713795
Publication Date: Dec 15, 1987
Language: English
Document Type: Patent
Record Type: Abstract
Journal Announcement: 2300

Optical **switch** capable of use for information **storage** , utilizing a
medium capable of being converted from an original state to a metastable
state by a radiative pumping by intensive light having a first wavelength (
lambda 1) and capable of being returned to said original state by intensive
light having a second wavelength (lambda 2), comprising a source of light
of said **first** and **second** wavelengths, said **storage** medium, means for
directing radiation of said first and second wavelengths for localized
incidence on said medium and photodetector means for measuring radiation
coming from said medium, said medium being a nitroprusside single crystal
of the formula Mm (Fe(CN)5NO) nH2O, wherein M is a metal capable of
forming a nitroprusside salt, m is a valence-determined number determined
by the valence of the metal M and the -2 valence of the nitroprusside group
(Fe(CN)5NO) and n is an integer in range 0, 1, 2, 3 ... 10, said first
light wavelength being in the range between 400 and 530 mn, said second

light wavelength being in the range from 600 to 680 nm, and means being provided for cooling said single crystal at a temperature in the range between 140 degrees K. and 210 degrees K.

Descriptors: Information retrieval systems; Information storage; Optical recognition; Patents
Classification Codes and Description: 4.09 (Pattern and Character Recognition); 6.06 (Life Sciences and Biomedicine); 6.07 (Social Sciences and Humanities)
Main Heading: Information Recognition and Description; Information Systems and Applications

17/5/13   (Item 5 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02224484   INSPEC Abstract Number: B84021601, C84016489
 Title: A switching control scheme based on pre-occupation using database
   Author(s): Mase, K.; Yamamoto, H.; Kajiwara, M.; Inoue, A.
   Author Affiliation: Musashino Electrical Communication Lab., NTT, Musashino, Japan
   Journal: Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B   vol.J66B, no.11   p.1386-93
   Publication Date: Nov. 1983 Country of Publication: Japan
   CODEN: DTGBBW ISSN: 0373-6105
   Language: Japanese   Document Type: Journal Paper (JP)
   Treatment: Practical (P)
   Abstract: The authors discuss two types of switching control schemes for telephone networks in which a local **switching** system accesses the **database** to obtain routing information prior to setting up a call. The **first** system proposed uses the **database** to refer busy/idle states of network resources. The **second** system uses the **database** to pre-occupy network resources. For the second system, it is shown that network service can be resumed by using a spare database with an algorithm for recovering database information. Network throughput, necessary signaling speed, database processing power and memory capacity are evaluated for each system. (7 Refs)
   Subfile: B C
   Descriptors: automatic telephone systems; electronic switching systems; telephone networks
   Identifiers: database access; call setup; network throughput; network resources preoccupation; automatic telephone systems; electronic switching systems; computerised control; switching control scheme; database; telephone networks; local switching system; routing information; busy/idle states; signaling speed; database processing power; memory capacity
   Class Codes: B6230B (Electronic telephone exchanges); C3370C (Telephony); C7410F (Communications)

17/5/15   (Item 7 from file: 2)
DIALOG(R)File   2:INSPEC
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

00094935   INSPEC Abstract Number: C70002842
 Title: Digital log computer
   Inventor(s): Moore, T.M.; Watters, E.C.
   Assignee(s): Secretary, US Navy
   Patent Number: US 3436533   Issue Date: 690401
   Application Date: 651129
   Priority Appl. Number: US 510469
   Country of Publication: USA
   Language: English   Document Type: Patent (PT)
   Abstract: The computer comprises: an input digital register set for each digital word representative of a decimal number to be computed in a logarithm; first and second digital address **shift** registers; **first** and **second** log **storage** means; a low log store providing a digital number of low order factors representative of the lower order bits of a digital log

Šeries; a third digital shift register; a log accumulator coupled to storage means and to the third digital register to accumulate digital words representative of the logarithm of a number; a clock pulse source; a plurality of digital 'I' detectors; and a plurality of gating means.
   Subfile: C
   Descriptors: digital arithmetic; special purpose computers
   Class Codes: C5230 (Digital arithmetic methods); C5420 (Mainframes and minicomputers)

17/5/18   (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00475088   97IV10-004
   More megabytes! Cutting-edge data storage for digital media production
   Grey, Kennedy
   InterActivity , October 1, 1997 , v3 n10 p53-57, 4 Page(s)
   ISSN: 1077-8047
   Languages: English
   Document Type: Articles, News & Columns
   Geographic Location: United States
   Presents a survey of data storage options for digital media production. Remarks that a computer system's performance is limited as much by its storage facilities as by its video board, RAM, CPU, and software. Identifies issues and developments that affect the design of media storage systems. Discusses **primary** , **secondary** , and archival **storage** as well as duplexing, hot- **swapping** , hot sparing, and spindle synchronization. Concludes that the best policy is to get the online or near-line storage system with the biggest capacity, throughput, and connectivity that a user can afford. Includes a chart and a sidebar. (dpm)
   Descriptors: Mass Storage; Multimedia; Digital Video; Digital Audio; Project Management; Survey

20/5/31   (Item 7 from file: 2)
DIALOG(R)File   2:INSPEC

02410588   INSPEC Abstract Number: B85019703, C85016057
 Title: **Distributed database management in a highly reliable distributed communications network**
   Author(s): Cohen, D.; Shipley, E.N.
   Author Affiliation: AT&T Bell Labs., Holmdel, NJ, USA
   Conference Title: Links for the Future. Science, Systems & Services for Communications.   Proceedings   of   the   International   Conference   on Communications-ICC 84   p.738-42 vol.2
   Editor(s): Dewilde, P.; May, C.A.
   Publisher: North-Holland, Amsterdam, Netherlands
   Publication   Date: 1984 Country of Publication: Netherlands   2 vol. liv+1622 pp.
   ISBN: 0 444 87524 7
   U.S. Copyright Clearance Center Code: CH 2028-9/84/0000-0738$01.00
   Conference Sponsor: IEEE; IEE; EUREL; Klvl
   Conference   Date: 14-17 May 1984   Conference Location: Amsterdam, Netherlands
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Practical (P)
   Abstract: Signaling information for the AT&T Communications telephone network is sent through a nationwide packet switching network. Routing for some services on the telephone network is controlled by a distributed database   that   is   accessed   through   the   packet   **switching**   network. Operations on the distributed **database** are limited to **read** -only transactions and to administrative **updates** of the **database** . These conditions allow the application of an efficient **update** algorithm that does not delay the large **volume** of **read** -only transactions.   (7 Refs)
   Subfile: B C
   Descriptors: database management systems; packet switching; telephone networks
   Identifiers: signalling information; distributed database management; DBMS; SPC network; distributed communications network; AT&T Communications; packet switching network; telephone network; read-only transactions; administrative updates
   Class Codes: B6210D (Telephony); C6160B (Distributed DBMS)

 20/5/33   (Item 9 from file: 2)
DIALOG(R)File   2:INSPEC

01754330   INSPEC Abstract Number: C81033310
 Title: **Developing databases for online information retrieval**
   Author(s): Levine, G.R.
   Author Affiliation: Systems Dev. Corp., Santa Monica, CA, USA
   Journal: Online Review   vol.5, no.2   p.109-20
   Publication Date: April 1981 Country of Publication: UK
   CODEN: OLREDR ISSN: 0309-314X
   Language: English   Document Type: Journal Paper (JP)
   Treatment: Practical (P)
   Abstract: The emergence of online **databases** represents a **shift** from providing a physical entity, a book or an article, to the more abstract concept of providing or transferring information. The role of the **database** developer/analyst in that **shift** is that of an information retrieval 'cataloger' responsible for determining the access points supported by the database's contents, much as a traditional library cataloger defines, describes, and classifies the intellectual content of a book and 'maps' it into the library's card catalog. This is only one of the several parallels between the functions of an information retrieval service and a traditional library. For example, users 'check-out' information from both, but while a circulation staff shifts the collection to accommodate growth, a retrieval service **updates** **databases** and allocates additional disk space to allow for expansion. Describing the tasks required in developing a **database** for online **searching** is the purpose of this paper. (5 Refs)

Descriptors: information retrieval; information services
Identifiers: online information retrieval; online databases; access
points; information retrieval service; library; updates; disk space
Class Codes: C7210 (Information services and centres); C7250L (
Non-bibliographic systems)

20/5/34   (Item 10 from file: 2)

00759298   INSPEC Abstract Number: C75012351
Title: Portable data storage volumes
Author(s): Brigham, R.A.; DeGraffenreid, D.C.; Reigel, F.A.; Smith, S.H.;
Stuehler, J.E.
Author Affiliation: IBM, New York, NY, USA
Journal: IBM Technical Disclosure Bulletin   vol.17, no.7   p.1854-5
Publication Date: Dec. 1974 Country of Publication: USA
CODEN: IBMTAA   ISSN: 0018-8689
Language: English   Document Type: Journal Paper (JP)
Treatment: Applications (A)
Abstract: Volumes   stored   in   a   library   between   transfers   to
computer-connected read/write stations can carry data in magnetic, electric
and   electrostatic form.   A data library stores volumes in cubby holes. An
electromechanical   access mechanism moves between two positions and carries
a single **volume** at a time to read/ **write** stations, which **exchange** data
between the **volumes** and a computer. (0 Refs)
Subfile: C
Descriptors: data handling; library mechanisation; storage units
Identifiers: data storage volumes; data library; cubby holes;
electromechanical access mechanism; read/write stations; computer
Class Codes: C5310 (Storage system design); C6130 (Data handling
techniques)

20/5/45   (Item 11 from file: 233)

00267014   92CO02-009
Superbase 2
Mann, Richard O
Compute , February 1, 1992 , v14 n2 p120, 2 Page(s)
ISSN: 0194-357X
Company Name: Software Publishing
Product Name: Superbase 2
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): B
Hardware/Software Compatibility: IBM PC; IBM PC Compatible
Geographic Location: United States
Presents   a   favorable   review   of   Superbase   2 ($345), a database from
Software Publishing of Santa Clara, CA (408). Runs on the IBM PC and
compatibles with 1MB hard drive space, Windows 2.1 or higher, and mouse.
Says this database for Windows is not truly relational, but it can display
fields from several files at once and use them in reports. It consists of
graphics screens and images, letting you create striking visuals for input
screens, output forms, and reports. Can include scanned-in images in
database **records** . It uses the Dynamic Data **Exchange** function to capture
and   **modify**   data in other Windows applications' **files** . This powerful
 database   has a   **query**   function with enough flexibility to do anything
you could reasonably expect from a nonprogrammable **database** . **Reads**
 dBASE **files**   directly,   allowing you to work with DBF data on a **read**
-only basis. Provides multilevel **file** security through passwords. (v1)

Set	Items	Description
S1	1228013	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2	67147	(FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE)(5W)S1
S3	73311	(SECOND? OR 2ND OR TWO)(5W)S1
S4	1611	S2(5N)S3(5N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR - REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5	120039	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???)(7N)S1
S6	134935	(WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???)(7N)S1
S7	37390	S1(5N)(SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX- CHANG? OR SWAP????)
S8	19	S4(S)S5(S)S6(S)S7
S9	95315	S1(7N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPROD- UC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10	62	S2(S)S3(S)S9(S)S5(S)S6(S)S7
S11	66	S8 OR S10
S12	195	S9(S)S5(S)S6(S)S7
S13	144	S12 NOT S11
S14	27	S13/TI,AB,CM
S15	58	S13 AND IC=G06F
S16	43	S15 NOT (S11 OR S14)

DIALOG(R)File 348:EUROPEAN PATENTS
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01070537
**Reproducing   apparatus,   recording   apparatus   and   recording/reproducing
    apparatus**
**Wiedergabegerat, Aufzeichnungsgerat und Aufzeichnungs-/Wiedergabevorrichtun
g**
**Appareil   de   reproduction,   appareil   d'enregistrement   et   dispositif
    d'enregistrement/reproduction**
PATENT ASSIGNEE:
  Matsushita Electric Industrial Co., Ltd., (1855508), 1006, Oaza-Kadoma,
    Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)
INVENTOR:
  Ino, Hidefumi, 22-7, Kori-nishinomachi, Neyagawa-shi, Osaka 572-0089,
    (JP)
  Nakatani, Tokuo, 3-23-24, Ayukawa, Ibaraki-shi, Osaka 657-0831, (JP)
  Kanai, Toshio, 13-15, Kamimachida, Morimoto-cho, Muko-shi, Kyoto 617-0003
    , (JP)
LEGAL REPRESENTATIVE:
  Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
    , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 942419 A2 990915 (Basic)
                              EP 942419 A3 000105
APPLICATION (CC, No, Date):   EP 99104655 990309;
PRIORITY (CC, No, Date): JP 9857809 980310
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G11B-020/10; G11B-027/00; G06F-017/30;
  H04N-005/85

ABSTRACT EP 942419 A2
    A reproducing apparatus according to the present invention includes: a
first storage including a changer for housing a plurality of storage
media and a drive for reading out data from first and second target
storage media selected from the storage media in that order; a second
storage; a data processing unit for presenting the data stored on the
first and second target storage media; and a controller for controlling
the changer, the drive, the data processing unit and the second storage.
Before the data processing unit starts to present the data stored on the
first and second target storage media, the controller controls the first
storage to read out at least part of the data stored on one of the first
and second target storage media as bridging data and controls the second
storage to store the read bridging data. When the data processing unit
starts to present the data stored on the first and second target storage
media, the controller controls the second storage to supply the bridging
data to the data processing unit during a period in which reading the
data stored on the first and second target storage media is discontinuous
because of exchange of the first target storage medium for the second
target storage medium, so as to present the data stored on the first and
second target storage media continuously.
ABSTRACT WORD COUNT: 226
NOTE:
  Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Examination: 000726 A2 Date of request for examination: 20000602
 Search Report: 20000105 A3 Separate publication of the search report
 Examination: 030806 A2 Date of dispatch of the first examination
                            report: 20030624
 Application: 990915 A2 Published application without search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS A (English)   9937   1274
     SPEC A   (English)   9937   7347
Total word count - document A   8621

...SPECIFICATION plurality of storage media.
   A reproducing apparatus according to the present invention includes: a
first **storage** including a changer for housing a plurality of **storage**
media and a **drive** for **reading** out data from first and second target
storage media selected from the storage media in that order; a second
storage; a data processing unit for presenting the data stored on the
first and second target **storage** media; and a controller for controlling
the **changer** , the **drive** , the data processing unit and the second
storage. Before the data processing unit starts to...

...data stored on the first and second target storage media, the controller
controls the first **storage** to **read** out at least part of the data
stored on one of the first and second target storage media as bridging
data and controls the second **storage** to store the **read** bridging data.
When the data processing unit starts to present the data stored on the...

...the data processing unit during a period in which reading the data
stored on the **first** and **second** target **storage** media is
discontinuous because of ·**exchange** of the **first** target **storage**
medium for the **second** target **storage** medium, so as to present the
data stored on the **first** and **second** target **storage** media
continuously.
   According to the present invention, while data, stored in first and
second target...is accessible.
   A recording and reproducing apparatus according to the present
invention includes: a first **storage** including a changer for housing a
plurality of **storage** media and a **drive** for **reading** out data from
first and second target **storage** media selected from the storage media
in that order; a second storage; a data processing unit for presenting
the data stored on the first and second target **storage** media; and a
controller for controlling the **changer** , the **drive** , the data
processing unit and the second storage. Before the data processing unit
starts to...

...of the first and second target storage media as bridging data, and
controls the first **storage** and the second **storage** to **read** out the
bridging data from the one of the first and second target **storage** media
and to store the **read** bridging data when the bridging data is not
stored on the second storage. When the...

...the data processing unit during a period in which reading the data
stored on the **first** and **second** target **storage** media is
discontinuous because of exchange of the **first** target **storage** medium
for the **second** target **storage** medium, so as to present the data
stored on the **first** and **second** target **storage** media continuously.

BRIEF DESCRIPTION OF THE DRAWINGS

   Figure 1 is a block diagram illustrating a...and/or audio data into
that adapted to be recorded on an optical disk. In **reproducing** , the
external unit 80 performs signal processing on data, supplied from the
changer section 10 (i.e., exemplary **first** **storage**) or the HDD 30
(i.e., exemplary **second** **storage**) if necessary, and then presents the
data processed to the user.
   The DVD-RAM changer...

...CLAIMS a data processing unit for presenting the data stored on the
     first and second target **storage** media; and
   a controller for controlling the **changer** , the **drive** , the data
     processing unit and the second storage,

        wherein, before the data processing unit starts...

...data stored on the first and second target storage media, the controller
     controls the first **storage** to **read** out at least part of the data

stored on one of the first and second target storage media as
bridging data and controls the second **storage** to store the **read**
bridging data, and

wherein, when the data processing unit starts to present the data
stored...

...the data processing unit during a period in which reading the data
stored on the **first** and **second** target **storage** media is
discontinuous because of exchange of the **first** target **storage**
medium for the **second** target **storage** medium, so as to present the
data stored on the **first** and **second** target **storage** media
continuously.
2. A reproducing apparatus according to Claim 1, wherein the controller
controls the **first** **storage** and the **second** **storage** in such a
manner that part of the data, which is to be presented before...

11/5,K/7   (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00939426
Optical disc system
System fur optische Platten
Systeme de disque optique
PATENT ASSIGNEE:
  Discovision Associates, (260275), 2355 Main Street, Suite 200, Irvine, CA
    92614, (US), (applicant designated states:
    AT;BE;CH;DE;ES;FR;GB;IE;IT;LI;NL;PT;SE)
INVENTOR:
  Crupper, Randolph Scott, 308 High Street, P.O. Box 731, Palmer Lake, CO
    80133, (US)
  Grassens, Leonardus Johannes, 19115 Pebble Beach Way, Monument, CO 80132,
    (US)
  Davis, Marvin Benjamin, 2813 Palmer Park Boulevard, Colorado Springs, CO
    80909, (US)
  Lewis, David Earl, 14820 Spiritwood Loop, Black Forest, CO 80106, (US)
  Getreuer, Kurt, Walter, 5055 Horseshoe Bend, Colorado Springs, CO 80917,
    (US)
  Schell, David Louis, 5307 Borrego Drive, Colorado Springs, CO 80918, (US)
LEGAL REPRESENTATIVE:
  Leone, Mario et al (87921), Societa Italiana Brevetti S.p.A. Piazza di
    Pietra 39, 00186 Roma, (IT)
PATENT (CC, No, Kind, Date): EP 853313 A2 980715 (Basic)
APPLICATION (CC, No, Date):   EP 98200192 960118;
PRIORITY (CC, No, Date): US 376882 950125
DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IE; IT; LI; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
  EP 726564 (EP 963003504)
INTERNATIONAL PATENT CLASS: G11B-007/125;

ABSTRACT EP 853313 A2
  An optical disc system includes a laser driver for controlling an
electrical current directed to a laser. The driver includes means for
switching the drive voltage between a first voltage level and a second
voltage level, so that electric power is only consumed when the laser is
energized, thereby achieving enhanced rise and fall switching
characteristics. The means for applying the drive voltage may include a
CMOS buffer output.
ABSTRACT WORD COUNT: 70

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Change: 000913 A2 Legal representative(s) changed 20000725
 Application: 980715 A2 Published application (A1with Search Report
                          ;A2without Search Report)
 Change: 001129 A2 Legal representative(s) changed 20001011
LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION an information processing system of this type has
advantages of high recording density and accurate **reproduction** of the
recorded information.
   The components of a typical optical system include a housing with...

...cartridge shutter may have one or more locking tabs associated with it.
The corresponding disc **drive** includes a mechanism for opening the door
or shutter on the cartridge as the cartridge...door link 1-85 is
rotatably mounted to the cartridge receiver 1-82 at a **first** pivot point
1-323, and the right door link 1-88 is rotatably mounted to...
...lock and opens the cartridge shutter 1-49 as the disc cartridge 1-13 is
inserted into the **drive** 1-10. Whether the left door link 1-85 or the
right door link 1...

...of the disc cartridge 1-13 is facing up when the cartridge 1-13 is
inserted into the **drive** 1-10. If the disc cartridge 1-13 is inserted
with a first side up...

...shutter latch and open the shutter 1-49 as the disc cartridge 1-13 is
inserted into the **drive** 1-10.
   With reference now to Figs. 18-22, the rotatable, magnetic bias coil
assembly...

...94 will be more fully described. The bias coil assembly 1-94 is used
during **writing** and erasing operations of the disc **drive** 1-10. The
bias coil assembly 1-94 includes a steel bar 1-335 wrapped...

...tilt or rotate about a point 1-353 near its center, and it is spring-
loaded downward. In this manner, the bias coil assembly 1-94 can remain
parallel to the...to complete a disk-ejection operation, as discussed
below. When in the down condition and **loaded** in the disc cartridge
1-13, the bias coil assembly 1-94 rests on the...
...the bias coil arm 1-97 has been rotated toward the rear of the disc
drive 1-10. It is this rotation of the lever arm 1-275 which has
installed...

...when the left slider 1-70 has been driven toward the rear of the disc
drive 1-10 by the tiller 1-76, as depicted in Fig 23, the cartridge
receiver...

11/5,K/9   (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00760486
Data recording and reproducing apparatus
Datenaufzeichnungs- und Wiedergabegerat
Appareil d'enregistrement et de reproduction de donnees
PATENT ASSIGNEE:
   SONY CORPORATION, (214022), 7-35, Kitashinagawa 6-chome Shinagawa-ku,
      Tokyo, (JP), (Proprietor designated states: all)
INVENTOR:
   Koike, Shigeaki, c/o Sony Corporation, 7-35, Kitashinagawa 6-chome,
      Shinagawa-ku, Tokyo, (JP)
   Iwasaki, Yasuo, c/o Sony Corporation, 7-35, Kitashinagawa 6-chome,
      Shinagawa-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
   Melzer, Wolfgang, Dipl.-Ing. et al (8278), Patentanwalte Mitscherlich &
      Partner, Sonnenstrasse 33, 80331 Munchen, (DE)

PATENT (CC, No, Kind, Date):   EP 715307 A2 960605 (Basic)
                                EP 715307 A3 990818
                                EP 715307 B1 020206
APPLICATION (CC, No, Date):   EP 95118722 951128;
PRIORITY (CC, No, Date): JP 94293556 941128
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G11B-027/031; H04N-005/76; H04N-005/262
CITED PATENTS (EP B): EP 503480 A; EP 615244 A; EP 625781 A; GB 2274223 A;
  GB 2296600 A; US 5164839 A
CITED REFERENCES (EP B):
    PATENT ABSTRACTS OF JAPAN vol. 095, no. 002, 31 March 1995 (1995-03-31) &
       JP 06 309843 A (MATSUSHITA ELECTRIC IND CO LTD), 4 November 1994
       (1994-11-04)
    PATENT ABSTRACTS OF JAPAN vol. 098, no. 007, 31 March 1998 (1998-03-31) &
       JP 05 101609 A (DIGITAL FX INC), 23 April 1993 (1993-04-23);

ABSTRACT EP 715307 A2
    A data recording and reproducing apparatus (1) which can easily
perform the editing of audio and/or visual data even at the camera site.
In the data recording and reproducing apparatus (1), a VTR portion (10)
and an MO disc portion (30) are integrally constituted. Audio and/or
visual data input from an outside apparatus is recorded on a video tape
(110) by the VTR portion, and further reproduced from the video tape
and transferred to the MO disc device (32) at a high speed and recorded.
The user of the data recording and reproducing apparatus (1) quickly
finds the desired video image by actively utilizing the random access
property of the MO disc device and sequentially inputs the same to the
VTR device, records the same on the video tape (110), and performs the
editing of the audio and/or visual data. (see image in original
document)
ABSTRACT WORD COUNT: 166
NOTE:
  Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Examination: 001108 A2 Date of dispatch of the first examination
                              report: 20000921
  Examination: 20000405 A2 Date of request for examination: 20000204
  Oppn None: 030129 B1 No opposition filed: 20021107
  Change: 010418 A2 International Patent Classification changed:
                              20010226
  Change: 010411 A2 International Patent Classification changed:
                              20010221
  Grant: 020206 B1 Granted patent
  Application: 960605 A2 Published application (A1with Search Report
                              ;A2without Search Report)
  Search Report: 990818 A3 Separate publication of the search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text   Language   Update   Word Count
      CLAIMS A   (English)   EPAB96   913
      CLAIMS B   (English)   200206   962
      CLAIMS B   (German)   200206   793
      CLAIMS B   (French)   200206   1234
      SPEC A   (English)   EPAB96   9556
      SPEC B   (English)   200206   9720
Total word count - document A   10471
Total word count - document B   12709
Total word count - documents A + B   23180

...SPECIFICATION a recording and reproducing system comprising input means
    for inputting information to be recorded, first **storage** means for
    writing and **reading** information on a high capacity **storage** medium
    such as a multitrack magnetic tape, second **storage** means for **writing**
    and **reading** information on a random access **storage** medium such as a
    magnetic disk, and switching means connected between the input means and
    the **first** and the **second   storage** means for simultaneously or
    selectively delivering the input information to the **first** and the

`second  storage` means. Further, the recording and reproducing system comprises control means for controlling the `first  storage` means, the `second  storage` means and the `switching` means.
    USA-5 164 839 relates to a video recorder/transceiver for handling audio/video...

11/5,K/14   (Item 14 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00380229
Data storage hierarchy and method for managing data therein.
Datenspeicherhierarchie und Verfahren zur Verwaltung der enthaltenden
    Daten.
Memoire hierarchisee et methode de gestion des donnees s'y trouvant.
PATENT ASSIGNEE:
    International Business Machines Corporation, (200120), Old Orchard Road,
        Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
    Clark, Connie Mae, 2391 W. Rapallo Way, Tucson Arizona 85741, (US)
    Harding, Warren Bruce, 11340 E. Comanchero Circle, Tucson Arizona 85749,
        (US)
    Gallo, Cindy Lou, 11402 E. Summer Trail, Tucson Arizona 85749, (US)
    Tang, Horace Tin Sze, 4509 N. Via Entrada No. 144, Tucson Arizona 85718,
        (US)
LEGAL REPRESENTATIVE:
    Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
        Intellectual Property Department Hursley Park, Winchester Hampshire
        SO21 2JN, (GB)
PATENT (CC, No, Kind, Date):   EP 341230 A2 891108 (Basic)
                               EP 341230 A3 901219
APPLICATION (CC, No, Date):   EP 89850138 890427;
PRIORITY (CC, No, Date): US 190422 880505
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-003/06; G06F-012/08;
CITED PATENTS (EP A): EP 212425 A; US 4769782 A; EP 150705 A
CITED REFERENCES (EP A):
    JAPAN TELECOMMUNICATION REVIEW. vol. 28, no. 3, July 1986, TOKYO JP pages
        205 - 210; K. Nagatani: "Compact Mass Storage Subsystem with Magnetic
        Tape Auto-handling"
    IBM TECHNICAL DISCLOSURE BULLETIN. vol. 25, no. 5, October 1982, NEW YORK
        US pages 2490 - 2491; K. E. Duvall: "Selecting data storage volumes for
        data sets"
    SYSTEMS, COMPUTERS, CONTROLS. vol. 11, no. 4, July 1980, SILVER SPRING,
        MARYLAND, USA pages 1 - 10; Fujiwara et al.: "Performance Evaluation of
        Hierarchical External Storage";

ABSTRACT EP 341230 A2
    A method for managing data in a data storage hierarchy, and a data
storage hierarchy for implementing such method is disclosed. The data
storage hierarchy includes a data catalog (60) and a plurality of data
storage levels (10, 20, 40, 30). The data catalog stores information
indicating data management rules for the data stored in the hierarchy.
Data stored in the hierarchy are flagged upon being referenced by the
host processor (50). The flagged data is managed according to the
management rules during periods of low hierarchy activity. After the
flagged data are managed, the flags are reset. The method, and hierarchy
employing such, avoid problems associated with managing large quantities
of data.
ABSTRACT WORD COUNT: 117

LEGAL STATUS (Type, Pub Date, Kind, Text):
    Application: 891108 A2 Published application (Alwith Search Report
                              ;A2without Search Report)
    Examination: 900523 A2 Date of filing of request for examination:
                              900326
    *Examination: 900606 A2 Date of filing of request for examination

...SPECIFICATION control 24 for automatically transferring optical disks
   between optical disk drives 21 and 22 and **storage** cells 23. **Write**
   -once, **read** -many (WORM) optical libraries are commercially available,
   the details and operation of which are known...

...storage cells so as to locate a particular cell and thereby enable said
   robot to **exchange** optical disks between **storage** cells 23 and optical
   disk drives 21 and 22. The third level of data storage...

...optical disks are all of such type, for example, WORM optical disks,
   that reading and **writing** may be accomplished by optical disk **drive** 40
   or optical disk drives 21 and 22. Optical disk **drive** 40 is in a sense
   in the **same** level of the data **storage** hierarchy as optical library 20
   because a disk mounted on optical disk drive 40 or...

11/5,K/18   (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00317609
Tape cassette loading system.
Bandkassettenladesystem.
Systeme de chargement de cassette a bande.
PATENT ASSIGNEE:
   VICTOR COMPANY OF JAPAN, LIMITED, (278641), 12, 3-chome, Moriya-Cho
      Kanagawa-ku, Yokohama-Shi Kanagawa-Ken 221, (JP), (applicant designated
      states: DE;FR;GB;NL)
INVENTOR:
   Harumatsu, Mitsuo, No. 1-26-20-8 Minamisenzoku Ota-ku, Tokyo, (JP)
   Hirayama, Hiromichi, No. 1-20-4, Awata, Yokosuka-shi Kanagawa-ken, (JP)
   Hara, Mitsuhiko, No. 2423-227, Ozenji, Asao-Ku, Kawasaki-Shi Kanagawa-Ken
      , (JP)
   Mihara, Masato, No. 4-26, Sumiredaira, Hiratsuka-Shi Kanagawa-Ken, (JP)
LEGAL REPRESENTATIVE:
   Robinson, John Stuart et al (41352), Marks & Clerk Alpha Tower Suffolk
      Street Queensway, Birmingham, B1 1TT, (GB)
PATENT (CC, No, Kind, Date): EP 312402 A2 890419 (Basic)
                              EP 312402 A3 900822
                              EP 312402 B1 940223
APPLICATION (CC, No, Date):   EP 88309684 881014;
PRIORITY (CC, No, Date): JP 87260584 871015
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G11B-025/06; G11B-015/675; G11B-015/665;
   G11B-015/02; G11B-015/07; G11B-015/17;
CITED PATENTS (EP A): EP 133822 A; EP 204585 A; DE 3432831 C; DE 3430452 A;
   US 3740495 A; EP 312397 A; DE 2843336 A; DE 2844566 A; DE 3238510 A; EP
   177133 A

ABSTRACT EP 312402 A2
    A tape cassette loading system of a video tape recorder comprises a
cassette loading mechanism (200, 300) including a cassette tray (300)
adapted to accept a standard size tape cassette and a compact size tape
cassette, for transporting a tape cassette placed thereon from a eject
state located substantially outside of a body of the video tape recorder
for placement or removal of the tape cassette horizontally to a closed
state in which the tape cassette is completely inside the body of the
video tape recorder, then to a compact cassette loading state immediately
below the closed state, and then to a standard cassette loading state
further below the compact cassette loading state, wherein a reel drive
mechanism (500, 600) is movable responsive to the type of the tape
cassette on the cassette loading means between a first state and a second
state for driving a take up reel and a supply reel of the tape cassette,
a tape loading mechanism (700) is movable responsive to the type of the
tape cassette on the cassette loading means between a first state for
engagement with the standard size tape cassette and a second state for
engagement with the compact size tape cassette, for drawing out a
magnetic tape from the tape cassette and for loading the magnetic tape on
a guide drum of the video tape recorder, and a controller (900) is used
for controlling the state of the cassette loading mechanism, reel drive
mechanism and the tape loading   mechanism responsive to the type of the
tape cassette to be loaded.
ABSTRACT WORD COUNT: 267

...SPECIFICATION Furthermore, tape cassettes having different dimensions
   have substantially identical loading times.
    The tape cassette loading **system** of a **magnetic** recording and
   reproducing apparatus **may** comprise cassette **loading** means adapted **to**
    hold a **standard** size tape cassette and **a** compact size tape cassette,
   said **cassette** **loading** means further being movable between an
   unloading state ready for placement or removal of the...
...the magnetic tape around the guide drum, said tape loading means being
   movable between a **first** state for drawing out **the** magnetic tape from
   the standard size tape cassette and a second state for drawing out the
   magnetic tape from the compact size tape **cassette** , and a reel **drive**
   means adapted for engaging with a supply reel and a take up reel of the
   tape cassette placed on the **cassette** **loading** means **for** driving the
   supply reel **and** the take up reel, said reel **drive** means being movable
    between a first state for engagement with the reels in the standard
   size tape cassette and...

.˙..second state for engagement with the reels in the compact size tape
cassette, wherein the **tape** cassette **loading** system further **comprises**
a controller which detects **the** type of the tape cassette placed on the
cassette loading means, the state of the cassette **loading** means, tape
loading means and the **reel** **drive** means and controls **the** cassette
loading means, tape **loading** means and the reel **drive** means such that
the cassette **loading** means is moved to a first ready-for-loading
position when the standard size tape...

...to the second state when the compact size tape cassette is placed on the
cassette **loading** **means** , that the reel **drive** means is set to the
first state when the standard size tape cassette is placed...
...on the cassette loading means, and that the switching of the state of
the cassette **loading** means, tape loading **means** and the reel **drive**
means is started simultaneously responsive to the start of the loading
operation when the tape...

...to the other. According to the present invention, switching of the state
of the tape **loading** means and the reel **drive** means responsive to the
change in the **type** of the tape cassette is started simultaneously with
the movement of the cassette loading means...

11/5,K/21   (Item 21 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00207354
Method for ensuring switchover in a restartable data base system.
Umschaltsicherungsverfahren fur ein wiederanlaufbares Datenbanksystem.
Methode   assurant   le   passage   dans   un   systeme   de   base   de   donnees
redemarrable.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;IT)
INVENTOR:
  Fukumoto, Takeshi, 4439-134 Kamariya-Cho Kanazawa-Ku, Yokohama-Shi
    Kanagawa-Ken 236, (JP)
  Funahashi, Takayuki, 2-9-14, Matsue, Edogawa-Ku Tokyo-To 132, (JP)
  Schweikert, Gerhard, 7153 Rouse Court, San Jose, CA 95139, (US)
  Scofield, Harrison, 17630 John Telfer Drive, Morgan Hill, CA 95037, (US)
  Walker, Terrence Eldon, 708 Creekfield Drive, San Jose, CA 95136, (US)
  Young, James Woodruff, Jr., 943 Summerleaf Place, San Jose, CA 95120,
    (US)
LEGAL REPRESENTATIVE:
  Burt, Roger James, Dr. et al (52152), IBM United Kingdom Limited
    Intellectual Property Department Hursley Park, Winchester Hampshire
    SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 221274 A2 870513 (Basic)
                              EP 221274 A3 890308
                              EP 221274 B1 920701
APPLICATION (CC, No, Date):   EP 86111955 860829;
PRIORITY (CC, No, Date): US 792371 851029
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06F-011/20;
CITED PATENTS (EP A): GB 1163859 A
CITED REFERENCES (EP A):
  ELECTRONIC ENGINEERING, vol. 43, no. 516, February 1971, pages 45-47,
    London, GB; J.I.MUTZENEEK: "Using mini-computers in systems
    engineering"
  COMPUTER, vol. 17, no. 8, August 1984, pages 19-30, IEEE, Long Beach,
    California, US; O.SERLIN et al.: "Fault-tolerant systems in commercial
    applications"
  MINI-MICRO SYSTEMS, vol. 16, no. 14, December 1983, pages 193-205,
    Denver, Colorado, US; A.INSELBERG: "Database- management systems"
  IBM TECHNICAL DISCLOSURE BULLETIN, vol. 28, no. 3, August 1985, pages
    950-951, New York, US; "Shared data availability across a system
    failure";

ABSTRACT EP 221274 A2
    A method for maintaining switchover between a backup and degrading
    active processor, which switchover is transparent to a terminal accessing
    the active processor with atomic transactions. The backup processor
    prepares for an outage by the active processor by synchronizing,
    tracking, and monitoring the active processor's log entries. When the
    active processor fails, the backup processor performs the necessary
    recovery processing and takes over user-transaction processing as the new
    active processor.
ABSTRACT WORD COUNT: 74

...SPECIFICATION control is given back to statement 2 in Figure 7 so that
   the next log **record** can be **read** .
    The log **records** that support both the initial SNAPQ Checkpoint and
   the continued status tracking for IMS/XRF...

...63' (Session Initiation/Termination): used to track the session
   activation/deactivation of nodes/terminals.   If **the** log **record**
   indicates the "active" has established an XRF-capable VTAM session, an
   attempt will be made...first-update indicators the same as those of the
   "active" at the time of the **checkpoint** . Thereafter, the following log
   records are used to track changes to these indicators:
   - X'50', X'51', and X'52...

...the XRF environment, the PST number no longer uniquely identifies the
   "Unit of Work" (refers **to** all DL/I **change** activity for a dependent
   region between two consecutive sync points). To eliminate this ambiguity,
   a...

...obtained from the log record). As RPSTs are created, they are chained to
   other RPSTs **with**   **the**   **same** PST number, with the first RPST in each
   chain anchored in the Restart Table (see...

...DL/I lock tracking:
    The alternate subsystem tracks the status of the locks for
   "uncommitted" **DL** **/** **I**   **data**   **base**   **changes** in the active subsystem.
   This information is used during the Takeover Phase to reacquire these
   locks **so**   **that**   **10the** restart **backouts** can run concurrent with new
   transaction **processing** . The locks protect the "uncommitted" **data**

`base   changes` from the new transaction processing.
   It was necessary to expand the amount of information included...Data
Base Change log records is used to create one or more 'entries' chained
off **the** hash table associated with the **modifying** 'PST' provided they
are not duplicates. Duplicates are thrown away. The 'entries' created
reflect DL...

...I "indoubt" buffer tracking/reduction:
   To support DL/I I/O Toleration (described in the **section " Takeover
Phase ")**, it **is   necessary** for the alternate subsystem to track the
ISAM/OSAM block and VSAM control **intervals** to which the active
subsystem could potentially **write** .
   To accomplish this, the following information **on** the DL/I **Data
Base   Change** log **records   written** by the active **subsystem** is
needed:
      a. X'07' - Application Program Termination log records
      b. X'37' - DL/I...

 11/5,K/51   (Item 30 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00529140   **Image available**
DATA VILLAGE SYSTEM
SYSTEME A VILLAGE DE DONNEES
Patent Applicant/Assignee:
  INFORMATION RESONANCE CORPORATION,
  EMERSON Mark Laurence,
Inventor(s):
  EMERSON Mark Laurence,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9960492 A1 19991125
  Application: WO 98US9963 19980518   (PCT/WO US9809963)
  Priority Application: WO 98US9963 19980518
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
  UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
  CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
  ML MR NE SN TD TG
Main International Patent Class: G06F-017/30
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 32355

English Abstract
   The data village system (DVS), an interactive computer system and
   software (97) enabling a user to establish a data model, that defines an
   organizational structure for an organization's data and enforces the
   user's rules as to how the organization's data is manipulated and viewed
   (101, 103, 105). The data model consists of tables for receiving related
   datums, compartments of tables for receiving associated datums, and
   cables which connect tables, thereby indicating linkages between datums
   in different tables, expandable to successively larger groupings of
   linked tables and groupings. The DVS functions according to data
   organization rules which require that user-data entered into a
   compartment be linked to other user-data according to the data module. As
   a result, a user may request display of the datums in a specified
   compartment and be alerted to and have available for display all other
   datums in the organization that pertain to the specified datums.

French Abstract
   L'invention concerne un systeme a village de donnees (DVS), un logiciel
   (97) et un systeme informatique interactifs permettant a l'utilisateur
   d'etablir un modele de donnees, qui definit une structure

organisationnelle pour les donnees d'organisation et qui applique les
regles de l'utilisateur quant a la maniere dont les donnees
d'organisation sont manipulees et vues (101, 103, 105). Le modele de
donnees consiste en tables destinees a recevoir des donnees associees,
des compartiments de tables destines a recevoir les donnees associees et
des cables qui connectent les tables, indiquant ainsi les liaisons entre
les donnees dans differentes tables, et extensibles a des groupements
plus importants de tables et de groupements lies. Le systeme a village de
donnees (DVS) fonctionne selon les regles d'organisation de donnees,
d'apres lesquelles les donnees d'utilisateur entrees dans un compartiment
doivent etre liees a d'autres donnees d'utilisateur en fonction du modele
de donnees. Ainsi, un utilisateur peut demander l'affichage des donnees
dans un compartiment specifie, etre averti de l'affichage et afficher
toutes les autres donnees de l'organisation, appartenant a des donnees
specifiees. Une batterie dotee dudit separateur et un appareil utilise
pour la fabrication de ladite batterie sont egalement decrits.

Fulltext Availability:
  Claims
Claim
... which was before the modification of the format-field datum and is not
  after the **modification** of the format-field
  103

  99 The **database** management system of claim 98 wherein a plurality of
  non-head tables in a room...

...cable being connected by a wire in the automatic mini-cable to exactly
  one partial **record** in the child table, the user-data- **changing** means,
  in creating I 0 a **record** involving a parent partial record of an
  automatic mini-cable after creating all necessary forniat...a record in
  the room being dependent upon the field set of the record, a **first**
  record in the room having a different field set than a **second**   **record**
  in the room, the retrieving-and-viewing means, upon request to **switch**
  the view from the **first**   **record** to the **second**   **record** ,
  automatically **changing** the layout of the datums and field identifiers
  in accordance with the variant-record-view...key vector is associated
  with each partial record in each table, a plurality of partial **records**
  in a table having the **same** key vector being prohibited by the static
  data organization rules, a key meta-vector being...
...the requested change as being incompatible with the data organization
  rules in that the requested **change** would result in a plurality of
  partial **records** having the **same** key vector.
  I 0
  133. The method of claim 131 further comprising the step:
  causing...

...marked partial record in a table to have their key fields either on
  display or **readily** accessible for display, the marked partial **record**
  being a partial record selected for marking by a user, the marked partial
  record being...

...to the phantom record in the parent table or the request includes a
  specification for
   changing phantom-partial- **record** -connected wires to non-phantom
  partial
  records in the parent table, then commanding the meta...descendent table
  of the primary table via a downward path, each partial record in the
  secondary matrix being a descendent partial **record** of a marked partial
  record in the primary matrix via the downward path, the marked...

...steps:
  responding to a user request to mark a partial record by:
  marking the partial **record** and unmarking any other marked partial
  records ; **changing** the datums in the secondary matrix in accordance
  with the change in marking. 140. The...

...particular basis vector and being a summary of information contained in

one or more partial **records** having the **same** basis vector in the base
table of the grouping table, the basis vectors of all...the topological
graph, the link being represented by the first link cable wire connecting
the **first** -node partial **record** in the node table or a hitch-pin-table
partial record associated with the first node to the link-table partial
record and the second link cable wire connecting the **second** -node
partial **record** in the node table or a hitch-pintable partial record
associated with the second node...

 11/5,K/52   (Item 31 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00511582   **Image available**
FILE SYSTEM PERFORMANCE ENHANCEMENT
AMELIORATION DU RENDEMENT DES SYSTEMES DE FICHIERS
Patent Applicant/Assignee:
  STORM SYSTEMS LLC,
  FAULKNER Michael R,
Inventor(s):
  FAULKNER Michael R,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9942934 A2 19990826
  Application: WO 99US3710 19990219 (PCT/WO US9903710)
  Priority Application: US 9875929 19980220
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
  LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
  UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
  AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
  GA GN GW ML MR NE SN TD TG
Main International Patent Class: G06F-017/30
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 19174

English Abstract
  Methods and apparatus that enhance the performance of computer file
  systems, and in particular the performance of read-only operations in
  such file systems. The invention can be implemented in a suite of
  computer program modules that together make up a performance enhancement
  product. The invention can transparently exist in an operating system
  after an initial setup is completed. The initial setup involves
  identifying what directories or files are to be monitored in order to
  intercept access requests for those files and to respond to those
  requests with enhanced performance. A system administrator can specify
  what directories or files are to be monitored. A high-performance index
  of monitored directories or files is maintained. When a monitored file is
  opened, a file identifier used, thereby bypassing the access of any
  directory meta data information. In one embodiment, access to monitored
  files is enhanced by pinning files in the data cache maintained by the
  file system cache manager.

French Abstract
  L'invention porte sur des procedes et un appareil visant a ameliorer le
  rendement des systemes de fichiers informatiques, et notamment les
  operations de consultation de ces systemes de fichiers. Cette invention
  peut etre appliquee dans une suite de modules de programmes informatiques
  qui constituent un produit d'amelioration du rendement. Cette invention
  peut exister en mode transparent dans un systeme d'exploitation apres
  realisation d'une mise en oeuvre initiale. Cette mise oeuvre consiste a
  identifier les annuaires ou fichiers a controler de facon a intercepter
  des demandes d'acces pour ces fichiers et a mieux repondre a ces
  demandes. Un administrateur de systemes peut indiquer quels sont les
  annuaires ou fichiers a controler. Un repertoire haut rendement des

annuaires ou fichiers est maintenu. Lorsqu'un fichier controle est
ouvert, un identificateur de fichiers est utilise, detournant ainsi
l'acces a toutes metadonnees de l'annuaire. Selon une realisation, on a
un meilleur acces aux fichiers controles en rassemblant les fichiers dans
l'antememoire de donnees conservee par le gestionnaire d'antememoire des
systemes de fichiers.

Fulltext Availability:
  Detailed Description

Detailed Description
... be done; however, PerformanceSuite always generates the name for the
  file. By default both the **primary** and secondary files are identified at
  the root directory of ...Properties Dialogue that gives the user the
  capability of moving the primary and secondary map **files** into other
  directories. There is an Advanced Lookup File Properties Dialogue Drive
  which is a...

...lists information about all drives and directories that
  PerformanceSuite is monitoring and each drive's **primary** and **secondary**
  map **file** locations. The information listed in this tab is read-only.
  The only functionality available to...directories associated with the
  given volume. For data synchronization purposes, each volume really has a
  primary and **secondary** map **file** associated with it at any given
  time. The **secondary file** is a copy of the **primary file** , which is
  refreshed whenever **updates** have to occur and is
  then swapped with the primary file when the updates are...

 11/5,K/57   (Item 36 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00391508   **Image available**
**AN AUTOMATED COMMUNICATIONS SYSTEM AND METHOD FOR TRANSFERRING INFORMATIONS
    BETWEEN DATABASES IN ORDER TO CONTROL AND PROCESS COMMUNICATIONS**
**SYSTEME   ET   PROCEDE   DE   COMMUNICATIONS   AUTOMATISES   POUR   LE   TRANSFERT
    D'INFORMATIONS ENTRE DES BASES DE DONNEES A DES FINS DE COMMANDE ET DE
    TRAITEMENT DES COMMUNICATIONS**
Patent Applicant/Assignee:
  INTERMIND CORPORATION,
Inventor(s):
  REED Drummond Shattuck,
  HEYMANN Peter Earnshaw,
  MUSHERO Steven Mark,
  JONES Kevin Benard,
  OBERLANDER Jeffrey Todd,
  BANAY Dan,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9732251 A1 19970904
  Application: WO 97US3205 19970228   (PCT/WO US9703205)
  Priority Application: US 96609115 19960229; US 96722314 19960927
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW
  MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW
  SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
  LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: G06F-011/00
International Patent Class: G06F-11:16; G06F-13:00; G06F-15:00; G06F-15:16;
  G06F-15:30; G06F-17:30; H04M-15:00
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 92326

English Abstract
  An automated communications system operates to transfer data, metadata,

and methods from a provider computer (1) to a consumer computer (2) through a communications network (3). The transferred information controls the communictions relationship, including responses by the consumer computer (2), updating of information, and process for future communications. Information which changes in the provider computer (1) is automatically updated in the consumer computer (2) through the communications system (3) in order to maintain continuity of the relationship. Transfer of metadata and methods permits intelligent processing of information by the consumer computer (2) and combined control by the provider and consumer of the types and content of information subsequently transferred.

French Abstract
Cette invention se rapporte a un systeme de communications automatise qui sert au transfert de donnees, de metadonnees et de procedes a partir d'un ordinateur fournisseur (1) a destination d'un ordinateur consommateur (2) par l'intermediaire d'un reseau de communications (3). Les informations transferees commandent la relation de communication, y compris les reponses par l'ordinateur consommateur (2), la mise a jour des informations et des operations de traitement en vue des communications futures. Les informations qui changent dans l'ordinateur fournisseur (1) sont automatiquement mises a jour dans l'ordinateur consommateur (2) par l'intermediaire du systeme de communications (3), afin de maintenir la continuite de la relation. Le transfert des metadonnees et des procedes permet un traitement intelligent des informations par l'ordinateur consommateur (2) et une commande combinee par le fournisseur et le consommateur des types et du contenu des informations ulterieurement transferees.

Fulltext Availability:
Detailed Description

Detailed Description
... Uniform Resource Locator (URL) requests to retrieve information from the provider and consumer programs and **databases** . A Web browser program is a set of instructions which causes the computer to execute...system. Rules allow the provider database I I and consumer database 21 to operate as **active** object **databases** , capable of initiating communications, **database** processing, or other procedures based on time, system variables, system events, or other conditions. Rules...

...constraints under which methods operate. The usage of rules to control the operation of an **active** object **database** is discussed generally in Jennifer Widom and Stefano Ceri, **Active Database** Systems (I 996), which is incorporated herein by reference.

14/5,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01267583
Method for the transparent exchange of logical volumes in a disk array storage device
Verfahren zum transparenten Austausch logischer Volumen in einer Plattenmatrixspeicheranordnung
Methode d'echange transparent de volumes logiques dans un dispositif a memoire de disques magnetiques
PATENT ASSIGNEE:
  EMC CORPORATION, (1739002), 171 South Street, Hopkinton, MA 01748, (US), (Applicant designated States: all)
INVENTOR:
  Schreiber, Moshe, 88 Beals Street, Brookline, Massachusetts 02146, (US)
  Kedem, Ishay, 9 Columbia Street, Brookline, Massachusetts 02446, (US)
  Ofek, Yuval, 20 Lanterns Road, Framingham, Massachusetts 01748, (US)
  Vishlitzky, Natan, 87 Clinton Road, Brookline, Massachusetts 02446, (US)
  Shagam, Eli, 1265 Beacon Street, Brookline, Massachusetts 02146, (US)
LEGAL REPRESENTATIVE:
  Warren, Anthony Robert et al (37331), BARON & WARREN, 18 South End, Kensington, London W8 5BU, (GB)
PATENT (CC, No, Kind, Date): EP 1093051 A2 010418 (Basic)
APPLICATION (CC, No, Date): EP 307999 000914;
PRIORITY (CC, No, Date): US 396218 990915
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: G06F-003/06

ABSTRACT EP 1093051 A2
     Load balancing of activities on physical disk **storage** devices (31A-31E) is accomplished by monitoring **reading** and **writing** operations to blocks of contiguous **storage** locations, such as logical volumes on the physical disk storage devices to obtain disk utilization information . The disk utilization information provides a selection of one block pair. After testing to determine any adverse effect of making that change, an exchange is made to more evenly distribute the **loading** on individual physical disk **storage** devices. The **exchange** involves the use of a pair of specially configured logical **volumes** that receive **copies** of the data to be exchanged, allow a reconfiguration of the blocks in the block pair and the transfer of the data back to the other blocks in the block pair to effect the exchange.
ABSTRACT WORD COUNT: 130
NOTE:
 Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 010418 A2 Published application without search report
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200116	457
SPEC A	(English)	200116	6841
Total word count - document A			7298
Total word count - document B			0
Total word count - documents A + B			7298

...ABSTRACT A2
     Load balancing of activities on physical disk **storage** devices (31A-31E) is accomplished by monitoring **reading** and **writing** operations to blocks of contiguous **storage** locations, such as logical volumes on the physical disk storage devices to obtain disk utilization
     ...

...adverse effect of making that change, an exchange is made to more evenly distribute the **loading** on individual physical disk **storage** devices.

The **exchange** involves the use of a pair of specially configured logical
volumes that receive **copies** of the data to be exchanged, allow a
reconfiguration of the blocks in the block...

 14/5,K/2   (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00831802
File system
Dateiensystem
Systeme de fichiers
PATENT ASSIGNEE:
  MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza Kadoma,
    Kadoma-shi, Osaka-fu, 571, (JP), (applicant designated states:
    DE;FR;GB)
INVENTOR:
  Karibe, Tomoyuki, 3-14-110, Miyukihigashimachi, Neyagawa-shi, Osaka-fu,
    (JP)
  Kokado, Takeshi, 27-1-207, Nishikyuhoji-cho, Okamedani, Fukakusa,
    Fushimi-ku, Kyoto-shi, Osaka-fu, (JP)
  Ito, Yukiko, 6-Nishi 2-320, Sotojima-cho, Moriguchi-shi, Osaka-fu, (JP)
  Tanaka, Tsutomu, 10-5-38, Uegahara, Nishinomiya-shi, Hyogo-ken, (JP)
  Tamai, Masaaki, 2-26-3, Yakumokitamachi, Moriguchi-shi, Osaka-fu, (JP)
  Doi, Shinzo, 2-4-32, Makinohonmachi, Hirakata-shi, Osaka-fu, (JP)
LEGAL REPRESENTATIVE:
  Altenburg, Udo, Dipl.-Phys. et al (1268), Patent- und Rechtsanwalte,
    Bardehle . Pagenberg . Dost . Altenburg . Frohwitter . Geissler &
    Partner, Galileiplatz 1, 81679 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 770964 A1 970502 (Basic)
APPLICATION (CC, No, Date):   EP 96117157 961025;
PRIORITY (CC, No, Date): JP 95278799 951026; JP 95278813 951026; JP
    95278814 951026; JP 96125146 960520; JP 96213556 960813
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G06F-017/30;

ABSTRACT EP 770964 A1
    When a get resource message arrives from an exterior, a resource
  allocation part 102 reserves a resource. In case of data reading or data
  writing, a declared value management part 111 checks parameters and a
  slot allocation part 103 allocates the resource, thereby constructing an
  efficient file system guaranteeing delay quality in relation to data
  reading. As the result, it is possible to provide a file system providing
  pictures in a quick response time for requests from users and supporting
  users requiring various regeneration speeds.
ABSTRACT WORD COUNT: 86

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Examination: 030806 A1 Date of dispatch of the first examination
                              report: 20030624
  Application: 970502 A1 Published application (A1with Search Report
                              ;A2without Search Report)
  Examination: 971105 A1 Date of filing of request for examination:
                              970909
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) EPAB97   7899
      SPEC A   (English) EPAB97   39029
Total word count - document A   46928
Total word count - document B   0
Total word count - documents A + B   46928

...CLAIMS each of said maximum value and said used quantity of said
      handling capacity is a **write** data quantity per unit time.
  15. The **file** system according to claim 14, wherein a flag
      distinguishing reading and writing from each other...

...message by a constant value as said band width to be ensured in case of
   reading .
16. A **file** system comprising a plurality of block storage units storing
   data, a single or a plurality...

14/5,K/3   (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00433412
Loading apparatus for a disc-shaped record medium.
Ladegerat fur plattenformigen Aufzeichnungstrager.
Appareil de chargement de support d'information en forme de disque.
PATENT ASSIGNEE:
   SONY CORPORATION, (214022), 7-35, Kitashinagawa 6-chome Shinagawa-ku,
      Tokyo, (JP), (applicant designated states: DE;FR;GB)
INVENTOR:
   Katsuyuki, Obata, c/o Sony Corporation, 7-35 Kitashinagawa 6-chome,
      Shinagawa-ku, Tokyo, (JP)
LEGAL REPRESENTATIVE:
   Ayers, Martyn Lewis Stanley et al (42851), J.A. KEMP & CO. 14 South
      Square Gray's Inn, London WC1R 5LX, (GB)
PATENT (CC, No, Kind, Date): EP 416797 A2 910313 (Basic)
                              EP 416797 A3 920226
APPLICATION (CC, No, Date):   EP 90309393 900828;
PRIORITY (CC, No, Date): JP 89225317 890831
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: G11B-017/04; G11B-033/08;
CITED PATENTS (EP A): US 4686594 A; FR 2219487 A; DE 3505339 A
CITED REFERENCES (EP A):
   PATENT ABSTRACTS OF JAPAN   vol. 7, no. 286
      (P-244)(1431) 21 December 1983   & JP-A-58 161 187 (HITACHI)
      24 September 1983
   PATENT ABSTRACTS OF JAPAN   vol. 11, no. 383
      (P-646)15 December 1987   & JP-A-62 149 064 (MATSUSHITA
      ELECTRIC);

ABSTRACT EP 416797 A2
   A loading apparatus for a disc-shaped record medium including a disc
transport unit including in turn a disc tray adapted to be moveable
between a position in which it protrudes from a casing of the apparatus
for exchanging a disc-shaped record medium and a loaded position and a
unit for suppressing vibrations produced in the disc tray by thrusting
said disc tray at the loaded position.   (see image in original document)

ABSTRACT WORD COUNT: 75

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 910313 A2 Published application (A1with Search Report
                             ;A2without Search Report)
 Search Report: 920226 A3 Separate publication of the European or
                             International search report
 Examination: 921007 A2 Date of filing of request for examination:
                             920811
 Examination: 940105 A2 Date of despatch of first examination report:
                             931123
 Change: 940713 A2 Representative (change)
 Oppn None: 951213 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS B (English) EPBBF1   829
      CLAIMS B (German)   EPBBF1   781
      CLAIMS B (French)   EPBBF1   981
      SPEC B   (English) EPBBF1   6248
Total word count - document A   0

Total word count - document B   8839
Total word count - documents A + B   8839

...CLAIMS B1
    1. A **loading** apparatus for a disc-shaped **record** medium comprising
            disc transport means including a disc tray (24) adapted to be
        movable between a first position for **exchanging** a disc-shaped
        record medium and a second position for **reproducing** information
        from and/or **writing** information on the **record** medium by a **read**
        and/or **write** section (2,6,7,15) and
            means (46,47) for suppressing vibrations produced in the...

 14/5,K/13   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00835932   **Image available**
DISK DRIVE AND CONTROL METHOD THEREFOR
UNITE DE DISQUE ET PROCEDE DE REGLAGE DE L'UNITE DE DISQUE
Patent Applicant/Assignee:
  MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza-Kadoma, Kadoma-shi,
    Osaka 571-8501, JP, JP (Residence), JP (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  OKADA Kenji, 63-1, Ohashi-cho, Matsuyama-shi, Ehime 791-1126, JP, JP
    (Residence), JP (Nationality), (Designated only for: US)
Legal Representative:
  HIGASHIMA Takaharu (agent), Higashima Patent Office, Daiko Building,
    2-14, Umeda 3-chome, Kita-ku, Osaka-shi, Osaka 530-0001, JP,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200169600 A1 20010920 (WO 0169600)
  Application: WO 2001JP1889 20010309 (PCT/WO JP0101889)
  Priority Application: JP 200071100 20000314
Designated States: CN ID KR SG US
Main International Patent Class: G11B-019/04
International Patent Class: G11B-019/20
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 32823

English Abstract
  A disk drive capable of producing the effect of a balancer even in a
  variety of reproduction and recording speeds without causing problems
  owing to the balancer, comprising a balancer in which magnetic balls 1
  movably accommodated inside a clamper 6 cancel any imbalance amount of a
  disk 5, and a detection section 14 provided near the clamper 6 to detect
  the behavior of the magnetic balls 1.

French Abstract
  L'invention porte sur une unite de disque pouvant produire l'effet d'un
  dispositif d'equilibrage, meme a vitesses de lecture ou d'enregistrement
  variables, sans causer des problemes imputables au dispositif
  d'equilibrage. L'unite de disque comprend un dispositif d'equilibrage
  dans lequel des billes magnetiques (1) mobiles disposees a l'interieur
  d'un caleur (6) compensent le moindre desequilibre d'un disque (5).
  L'unite de disque comprend en outre une section de detection (14)
  disposee a proximite du caleur (6) pour detecter le comportement des
  billes magnetiques (1).

Legal Status (Type, Date, Text)
Publication 20010920 A1 With international search report.
Publication 20010920 A1 Before the expiration of the time limit for
                    amending the claims and to be republished in the
                    event of the receipt of amendments.

Claim
... shaped hollow section.
  The present invention thus has an action capable of
  attaining a disk **drive** for stably carrying out **reproduction** ,
  recording or seek operation on the disk.
  The invention in accordance with claim 19 of...

...recording
  and reproduction. The present invention thus has at action
  capable of attaining a disk **drive** for stably.carrying out
  reproduction , recording or seek operation on the disk.
  The invention in accordance with claim 24 of...on the disk. The
  present invention therefore has an action capable of attaining
  a disk **drive** for stably carrying out **reproduction** , recording
  or seek operation on the disk.
  Furthermore, it is possible to detect the rotation...

...the disk. The present invention
  theref ore has an action capable of attaining a disk **drive** f or
  stably carrying out **reproduction** , recording or seek operation
  on the disk.
  Furthermore, it is possible to detect the rotation...

...disk. The present
  J nvention theref ore has an action capable of attaining a disk
  drive for stably carrying out **reproduction** , recording or seek
  operation on the disk.
  Furthermore, it is possible to detect the rotation...present invention
  has'an
  action capable of attaining a method f or controlling a disk **drive**
  f or stably perf orming **reproduction** . recording or seek operati on
  on the disk at the high rotation speed.
  The invention...present invention
  has an action capable of attaining a method f or controlling a
  disk **drive** f or stably perf orming **reproduction** . recording or seek
  operation on the disk at the low rotation speed.
  While the novel...

...a first embodiment of-the present
  invention;
  FIG. 2 is a flowchart of a speed **switching** process
  for a disk **drive** in. accordance with a second embodiment of the
  present invention;
  FIG - 3 is a flowchart...

...embodiment of the present invention;
  FIG. 10 is a flowchart relating to the recording and
  reproduction of a disk **drive** in accordance with a fifth
  embodiment of the present invention;
  FIG. 11 is an actual...

...embodiment of the present invention;
  FIG. 17 is a flowchart relating to the recording and
  reproduction of the disk **drive** in accordance with the sixth
  embodiment of the present invention;
  FIG. 18 is a side...to that of the conventional example shown
  in FIG. 29.
  When a disk 5 is **inserted** into a disk **drive** 22, a
  spin-up process starts.
  At step F101, the predetermined parameters of ASP and...

...the last time. The -data
  has been stored in the nonvolatile memory of the disk **drive** .
  The output of a laser for **reproduction** can be emitted from the

object lens of an optical pickup 15 by the initial...

...optical pickup 15 is applied to the disk.
  Furthermore, when the disk 5 has been **inserted** into
  the disk **drive** 22, a spindle motor 2 is driven at a constant
  voltage for a short time...

...position of the absolute address
  in the region of user data so that the disk **drive** is **ready** to
  accept commands from the host.
  The disk **drive** then carries out **reproduction** ,
  recording. seek operation. etc. in accordance with the commands
  of the user.
  The magnetic ball...of the disk drive is changed to a higher rotation
  speed.
  Generally, in the disk **drive** , if information is not
   read or **written** on the disk 5 for a long period of time, the
  rotation speed of the...

...to reduce power consumption.
  Furthermore, in response to a request from the host,
  the disk **drive** sometimes carries out speed **switching** operation
  to raise the rotation speed for reproduction or recording.
  In a case, the current...lowered
  to the target rotation speed.
  After the target rotation speed is reached, the disk
   drive carries out **reproduction** , recording or seek operation.
  While the disk **drive** carries out **reproduction** or the
  like, it is preferable that the rotatiorf speed of the disk does
  not...

...lowered from the FG signal 80 Hz to a desired
  rotation speed.
  Hereafter, the disk **drive** carries out **reproduction** ,
   recordi ng and the like in accordance with commands f rom the user.
  The magnetic ball...

 14/5,K/21   (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00760495   **Image available**
DATA INTEGRITY MONITORING IN TRUSTED COMPUTING ENTITY
CONTROLE DE L'INTEGRITE DES DONNEES DANS UNE UNITE DE CALCUL FIABLE
Patent Applicant/Assignee:
  HEWLETT-PACKARD COMPANY, 3000 Hanover Street, Palo Alto, CA 94304, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  PROUDLER Graeme John, 5 Touchstone Avenue, Stoke Gifford, Bristol BS34
    8XQ, GB, GB (Residence), GB (Nationality), (Designated only for: US)
  BALACHEFF Boris, 7 Rutland House, Granby Hill, Hotwells, Bristol BS8 4LT,
    GB, GB (Residence), FR (Nationality), (Designated only for: US)
Legal Representative:
  LAWRENCE Richard Anthony, Hewlett-Packard Limited, Intellectual Property
    Section, Filton Road, Stoke Gifford, Bristol BS34 8QZ, GB
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200073904 A1 20001207 (WO 0073904)
  Application: WO 2000GB2003 20000525 (PCT/WO GB0002003)
  Priority Application: EP 99304166 19990528
Designated States: JP US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: G06F-011/00
International Patent Class: G06F-001/00; G06F-012/14
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description

Claims
Fulltext Word Count: 19902

English Abstract
A method of security monitoring of data files in a computer platform is
carried out by a trusted component having a processor and trusted memory
area. The method comprises creating one or a plurality of data files in
an untrusted memory area of said computing platform, for each created
data file, periodically generating a digest data by applying a hash
function to each data file, storing the digest data in a trusted memory
area and for each file periodically comparing a current digest data of
the file with a previously generated digest data of the file. Any
differences between a previous and a current digest data indicate that a
file in the untrusted memory area has been corrupted.

French Abstract
L'invention concerne une methode de controle securise de fichiers de
donnees sur une plate-forme de calcul, executee par un composant fiable
comportant un processeur et une zone de memoire fiable. Cette methode
cree un ou plusieurs fichiers de donnees dans une zone de memoire non
securisee de ladite plate-forme de calcul, et genere periodiquement, pour
chaque fichier de donnees cree, des donnees assimilees en appliquant une
fonction de hachage a chaque fichier de donnees. Cette methode enregistre
egalement des donnees assimiliees dans une zone de memoire fiable, et
compare periodiquement, pour chaque fichier, les donnees assimilees
courantes du fichier avec les donnees assimilees precedentes dudit
fichier. Chaque difference entre les donnees assimilees precedentes et
courantes indique qu'un fichier de la memoire non securisee a ete altere.

Fulltext Availability:
  Claims

Claim
...   Security Functions
  File Event   .
  803
  Ln Ile He Menu 802
  801
  tart He monitoring
  top **file** monitoring
  Enable **copy**   **files**
  Disable **copy** **files**
  Enable encrypted **files**
  Disable encrypted **files**
  Delete file
  Display metrics
  Fig. 8
  800
  r,
  Security Functions
  File vent
  File Menu
  to Start **file** monitoring
   file monitorinq
  Enable **copy**   **files**
  Disable **copy** **files**
  Enable encrypted
  filesl
  Disab Press confirmation key
  Delet

to confirm start
Dispice
900
Figs 9...

...Monitor plurality of selected user data file
stored in reserved memory area
1003
ecord any **changes** to user data **files** store
in reserved memory area
1004
pp y test to whether **changes** are signific
nifican Yes
 changest
tored clat
 files ?
No
1006
Generate alarm data indicating corruption o
data files
1007
Report corruption via display...1209 1208
eceive inventory of - Send
files
Fig* 12
1210 1211
of na
s
1212
 Copy n
nto user s
1213
opy **files** from user
space to TC space
1215
ed file
1216 1217
Indicate done lete file
with T
18
cliges
1219
and **file**
TC
Figs 12b
% **SWITCH** -ON
240
CCESSED
FIRST?
s WRITE NEGATIVE 2415
BOOLEAN VALUE
24% WRITE POSITIVE
BOOLEAN VALUE...

...other than minimum documentation to the extent that such documents are
included in the fields **searched** Electronic **data** **base** consulted
during the international **search** (name of **data** **base** and, where
practical, **search** terms used)
EPO-Internal, PAJ, WPI Data, INSPEC
C. DOCUMENTS CONSIDERED TO BE RELEVANT
Category...

 14/5,K/22   **(Item 16 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00504224   **Image available**

INFORMATION HANDLING SYSTEM WITH SUSPEND/RESUME OPERATION
SYSTEME DE GESTION D'INFORMATIONS AVEC FONCTION DE SUSPENSION/REPRISE
Patent Applicant/Assignee:
  INTERNATIONAL BUSINESS MACHINES CORPORATION,
  IBM UNITED KINGDOM LIMITED,
  KOHNO Hiroshi,
  SHIMOTOHNO Susumu,
Inventor(s):
  KOHNO Hiroshi,
  SHIMOTOHNO Susumu,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9935576 A1 19990715
  Application: WO 99GB53 19990107   (PCT/WO GB9900053)
  Priority Application: JP 981253 19980107
Designated States: CZ HU IL KR PL RU US AT BE CH CY DE DK ES FI FR GB GR IE
IT LU MC NL PT SE
Main International Patent Class: G06F-011/14
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 12778

English Abstract
  Provided is an information handling system and a method of controlling
  the same which allows the state of the system to be saved without
  destructing other user data on an external storage device. When a
  predetermined event occurs, the system saves hibernation information in a
  hibernation information storing area on a hard disk. A hibernation
  managing information storing area is provided in the outermost cylinder
  of the hard disk. A boot sector already exists in the outermost cylinder.
  Therefore, the hibernation managing information is written in the
  outermost cylinder after the boot sector has been saved to the
  hibernation information storing area. After such series of processes have
  been completed, the system shifts to a hibernation mode. On the other
  hand, when power feeding to the system is resumed, the hibernation
  information is read out to check whether or not the system was in the
  hibernation mode, etc. The hibernation information saved in the
  hibernation information storing area is restored to the original place
  and writes the master boot record which was saved to the hibernation
  information storing area back to the outermost cylinder.
French Abstract
  Cette invention se rapporte a un systeme de gestion d'informations et a
  un procede de commande de ce systeme, qui permettent de sauvegarder
  l'etat du systeme sans detruire les autres donnees d'utilisateur stockees
  sur un dispositif de memorisation externe. Lorsqu'un evenement
  predetermine se produit, le systeme sauvegarde les informations
  d'hibernation dans une zone de stockage des informations d'hibernation se
  trouvant sur un disque dur. Une zone de stockage des informations de
  gestion d'hibernation est prevue dans le cylindre exterieur du disque
  dur. Un secteur d'initialisation se trouve deja dans ce cylindre
  exterieur. Par consequent, les informations de gestion d'hibernation sont
  inscrites dans ce cylindre exterieur, apres que le secteur
  d'initialisation a ete sauvegarde dans la zone de stockage des
  informations d'hibernation. Une fois terminee cette serie d'operations,
  le systeme passe en mode d'hibernation. Par ailleurs, lors du
  retablissement de l'alimentation du systeme, les informations
  d'hibernation sont extraites pour verifier si le systeme se trouve en
  mode d'hibernation, notamment. Les informations d'hibernation
  sauvegardees dans la zone de stockage des informations d'hibernation sont
  a nouveau stockees a leur emplacement d'origine et le fichier
  d'initialisation maitre, qui a ete sauvegarde dans la zone de stockage
  des informations d'hibernation, est inscrit dans ledit cylindre
  exterieur.

Fulltext Availability:
  Claims

Claim
    ... to the first to fourth aspects of this invention.
    An example of the computer readable **storage** medium is a ROM (**read**
    only memory) implemented on a system board of a computer. If the ROM is
    of
    a type which is rewritable after erasure (e.g., EEPROM, Electrically
    Erasable Programmable **Read** Only Memory), the computer readable **storage**

    medium in the context of this specification include an **exchangeable**
     storage medium which is **inserted** in an external **storage** device unit
    (e.g.,
    a diskette **loaded** in a floppy disk **drive** unit) to **update** the
    content of
    the ROM. When a computer program to be written into the ROM...hibernation
    file is allocated in a user partition on the hard
    disk as a single **file** in a **same** level as a user **file** . For ...
    joystick may be connected to the serial port 32.
    The FDD 30 is an external **storage** device for **exchangeably** mounting a
    floppy disk (FD) as a storage medium. This is well known. The FDD...

 14/5,K/23   (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00494875   **Image available**
**A SYSTEM AND METHOD OF PROVIDING RESTRAINED, STREAMLINED ACCESS TO A
    COMPUTERIZED INFORMATION SOURCE**
**SYSTEME ET PROCEDE PERMETTANT DE FOURNIR UN ACCES LIMITE ET ACCELERE A UNE
    SOURCE D'INFORMATIONS INFORMATISEE**
Patent Applicant/Assignee:
  IMAGEWORKS MANUFACTURING INC,
Inventor(s):
  NACHINSON Jon,
  KREBS Richard,
  WATSON Richard,
  BECKER Thomas,
  MORTON Gregory,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9926227 A1 19990527
  Application: WO 98US24080 19981112 (PCT/WO US9824080)
  Priority Application: US 97970029 19971113
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
  FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
  MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG
  UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
  CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
  GW ML MR NE SN TD TG
Main International Patent Class: G09G-005/00
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 8314

English Abstract
   The present disclosure is directed to a system for providing restrained,
   streamlined access to a computerized information source. The system,
   which works in association with a multipurpose computer, includes a
   discrete article, such as an advertising speciality like a mouse pad
   (100), having facilities to receive a users input (101), and, in turn,
   generate a unique predetermined signal based on the input. The system
   further includes software for configuring the computer to respond to each
   unique predetermined signal by executing one or more commands (500-507),
   as selected and stored within the software. Each configuration can be
   dynamically locked such that the commands to be executed upon the unique
   input are not alterable without an authorization mechanism, such as a
   password. The software also responds to receipt to one of the unique

predetermined signals by executing the commands associated with the received signal. A method for performing the same is also disclosed. This system and method face particular application in advertising a business on the Internet, facilitating access to various locations within the domain of an Internet content provider and in managing a computer network.

French Abstract
  L'invention concerne un systeme permettant de fournir un acces limite et accelere a une source d'informations informatisee. Le systeme, qui fonctionne en association avec un ordinateur polyvalent, comprend un article discret, de type cadeau publicitaire tel que tapis de souris (100), comportant des fonctions qui lui permettent de recevoir une entree utilisateur (101), puis de generer un signal predetermine unique sur la base de ladite entree. Le systeme comprend egalement un logiciel permettant de configurer l'ordinateur, de facon qu'il reponde a chaque signal predetermine en executant une ou plusieurs commandes (500-507) selectionnees et mises en memoire dans ledit logiciel. Chaque configuration peut etre dynamiquement verrouillee de facon que les commandes devant etre executees apres l'entree unique ne puissent etre modifiees sans mecanisme d'autorisation, tel que mot de passe. Le logiciel repond egalement de facon a recevoir l'un des signaux predetermines en executant les commandes associees au signal recu. L'invention concerne egalement un procede qui permet de mettre en oeuvre les elements ci-dessus. Ce systeme et ce procede peuvent etre notamment utilises pour faire la publicite d'une entreprise sur Internet, pour faciliter l'acces aux divers sites du domaine d'un fournisseur d'Internet et pour gerer un reseau informatique.

Fulltext Availability:
  Claims

Claim
... Internet, an intranet or extranet, the configuration routine
  locates a preexisting browser program within the **storage**
  devices of computer 11 toward integrating **same** with software
  101. Most browser programs operate identically to accept
  Internet addresses from external sources...or WAN. This
  functionality will simplify the tasks involved with network
  administration, by allowing the **modification** of a single
   switch set definition **file** that affects all of the users on a
  network via mouse pad 100 and software...

...embodiment, the configuration routine will
  also create various icons, program groups, a de-installer, a
   readme   file and the user interface. Further, in some
  embodiments, the configuration routine may also load optional...not
  current to the global file, the global file
  is downloaded to the local configuration **file** and an **update**
  log register is **updated** with the date of the update, step 302.
  It is also contemplated that a similar...logons to various
  servers. Through the capabilities of the present inventive
  system, any network configuration **changes** can be placed in a
  general **file** on the network in the path known to software 101
  to contain switch set data...

   14/5,K/27   (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00125788
**IMPROVED METHOD OF STORAGE AND RETRIEVAL OF INFORMATION STORED ON VIDEO
    MEDIA**
**PROCEDE AMELIORE DE STOCKAGE ET D'EXTRACTION D'INFORMATIONS STOCKEES SUR
    DES SUPPORTS VIDEO**
Patent Applicant/Assignee:
  INDEX DATA PROGRAMMES LIMITED,

English Abstract
  Method and apparatus for the storage and retrieval of data records
  capable of being displayed on a television receiver. Video signals are
  generated from the records to be stored by means of a television camera
  or other video signal source and are written on to a video record medium
  such as a video tape or a laser disk, and there is inserted into the
  frame blanking intervals of each record so stored an index code or
  address uniquely identifying that record. Retrieval is by inputting the
  index code of a stored record, the apparatus then searching for the
  record having that index code within its frame blanking intervals,
  reading it off the record medium and displaying it.

French Abstract
  Procede et dispositif pour le stockage et l'extraction d'enregistrement
  de donnees pouvant etre visualisees sur un recepteur de television. Des
  signaux video sont generes a partir des enregistrements a stocker a
  l'aide d'une camera video ou d'une autre source de signaux video et sont
  ecrits sur un support d'enregistrement video tel qu'une bande video ou un
  disque lu par laser, et dans les intervalles de suppression du cadre de
  chaque enregistrement ainsi stocke est insere un code d'index ou une
  adresse identifiant cet enregistrement d'une maniere unique. L'extraction
  est obtenue en introduisant le code d'index d'un enregistrement stocke,
  ce qui provoque la recherche par l'appareil de l'enregistrement possedant
  ce code d'index dans ses intervalles de supression du cadre, la lecture
  de l'enregistrement et sa visualisation a partir du support
  d'enregistrement.

Fulltext Availability:
  Claims

Claim
... record
  entered by, for example, a keyboard is compared with the
  index code of the **record** currently present and the
  25 **reading** /writing device is **shifted** in relation to the
  record disk according to an angular computation based on the
  location of the record currently present recording and retrieval of
  data **records** capable of being **reproduced** on a television
  receiver or monitor comprising:
  a video **record** **storage** medium and means for
  writing data **records** on to and **reading** data **records** from said
  medium;
  a television camera or other video signal source for
  generating from the...

...the
  -frame blanking intervals of each coded data record an
  index code uniquely indentifying that **record** , said video
  15 signals and said **inserted** index codes being recorded on
  said **storage** medium by said **writing** means;
  means for inputting the index-code of a stored data
  record that is to be retrieved; and

search means responsive to the inputting of an
20 index code to **search** the **records** stored on the **record** medium
until a stored record is found having a frame blanking
interval index code matching the inputted code, said stored
 record with the matching index code being **read** from the **record**
medium and the resulting re-generated-video signal being
25 transmitted to the television receiver...

DIALOG(R)File 348:EUROPEAN PATENTS

00950443
**File management apparatus, file management method, and recording medium
    containing file management program**
**Dateiverwaltungsgerat, Dateiverwaltungsverfahren und Aufzeichnungsmedium
    mit Dateiverwaltungsprogramm**
**Dispositif de gestion de fichiers, methode de gestion de fichiers et
    support d'enregistrement contenant un programme de gestion de fichiers**
PATENT ASSIGNEE:
  Matsushita Electric Industrial Co., Ltd., (1855508), 1006, Oaza-Kadoma,
    Kadoma-shi, Osaka 571-8501, (JP), (applicant designated states:
    AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
  Owada, Kiyoshi, Osakafu Hirakatashi Machikuzuha 1-22-30-308, 573-1106,
    (JP)
  Miyazaki, Masaya, Osakafu Ikedashi Asahigaoka 1-6-14, 563-0022, (JP)
LEGAL REPRESENTATIVE:
  Kugele, Bernhard et al (51541), NOVAPAT INTERNATIONAL SA, 9, Rue du
    Valais, 1202 Geneve, (CH)
PATENT (CC, No, Kind, Date): EP 862108 A2 980902 (Basic)
APPLICATION (CC, No, Date): EP 98103354 980226;
PRIORITY (CC, No, Date): JP 9746401 970228
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
  MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **G06F-003/06**

ABSTRACT EP 862108 A2
    A file management apparatus is used in an information processor using a
media exchange type storage device comprising a plurality of storage
media, at least one data access device, and a storage media exchanging
means as an external storage device, and the file management apparatus
includes a data block management means for dividing storage regions of
the respective storage media into data blocks of fixed capacity and
managing the use states of the divided data blocks; and a data block
allocation means for allocating unused data blocks shown by the data
block management means to a file to which a writing request from the
information processor has been given, wherein data writing of the file to
which the writing request has been given is performed to the data blocks
allocated by the data block allocation means, using the storage media
exchanging means and the data access device; and at the start of file
writing, the storage medium having the most unused data blocks which are
shown by the data block management means is selected as a medium for
writing. Therefore, it is possible to create a file which is read with
less exchange of storage media during the reading process. Further, even
when the file size is unknown at the start of file writing, it is
immediately proved that the file cannot be written to any other storage
medium when a writing error occurs due to shortage of the capacity of the
selected storage medium. Accordingly, the writing process of the file
does not need to be retried.
ABSTRACT WORD COUNT: 259

LEGAL STATUS (Type, Pub Date, Kind, Text):
 Application: 980902 A2 Published application (A1with Search Report
                            ;A2without Search Report)
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English) 9836   3304
      SPEC A   (English) 9836   17152
Total word count - document A   20456
Total word count - document B   0
Total word count - documents A + B   20456

INTERNATIONAL PATENT CLASS: **G06F-003/06**

...SPECIFICATION means for allocating unused data blocks shown by the data block management means to a **file** to which a **writing** request from the information processor has been given, wherein data **writing** of the **file** to which the **writing** request has been given is performed to the data blocks allocated by the data block...

...the storage media exchanging means and the data access device; and at the start of **file** **writing** , the **storage** medium having the most unused data blocks which are shown by the data block management means is selected as a medium for **writing** . Therefore, it is possible to create a **file** which is **read** with less **exchange** of **storage** media during the **reading** process. Further, even when the **file** size is unknown at the start of **file** **writing** , it is immediately proved that the **file** cannot be **written** to any other **storage** medium when a **writing** error occurs due to shortage of the capacity of the selected **storage** medium. Accordingly, the **writing** process of the **file** does not need to be retried.
   According to a second aspect of the present invention...are shown by the data block management process is selected as a disk to be **written** . Therefore, it is possible to create a **file** which is **read** with less **exchange** of **storage** media during the **reading** process. Further, even when the **file** size is unknown at the start of **file** **writing** , it is immediately proved that the **file** cannot be **written** to any other **storage** medium when a **writing** error occurs due to shortage of the capacity of the selected **storage** medium. Accordingly, the **writing** process of the **file** does not need to be retried.
   According to a fourteenth aspect of the present invention...

...are shown by the data block management process is selected as a disk to be **written** . Therefore, it is possible to create a **file** which is **read** with less **exchange** of **storage** media during the **reading** process. Further, even when the **file** size is unknown at the start of **file** **writing** , it is immediately proved that the **file** cannot be **written** to any other **storage** medium when a **writing** error occurs due to shortage of the capacity of the selected **storage** medium. Accordingly, the **writing** process of the **file** does not need to be retried.
   According to a sixteenth aspect of the present invention...

 16/5,K/8   (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00483856
Apparatus and method for accessing data in a data processing system including an automated storage library.
Gerat und Verfahren zum Zugriff auf Daten in einem Datenverarbeitungssystem mit einer automatischen Speicherbibliothek.
Appareil et procede pour avoir acces a des donnees dans un systeme de traitement de donnees comprenant une bibliotheque de memoire automatisee.
PATENT ASSIGNEE:
   International Business Machines Corporation, (200120), Old Orchard Road, Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
   Monahan, Christopher John, 1668 South Soldier Trail, Tucson, Arizona 85748, (US)
   Monahan, Mary Linda, 1668 South Soldier Trail, Tucson, Arizona 85748, (US)
   Willson, Dennis Lee, 7855 East Pinon Circle, Tucson, Arizona 85715, (US)
LEGAL REPRESENTATIVE:
   Blakemore, Frederick Norman (28381), IBM United Kingdom Limited Intellectual Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)
PATENT (CC, No, Kind, Date): EP 458567 A2 911127 (Basic)
                              EP 458567 A3 920513
APPLICATION (CC, No, Date):   EP 91304538 910520;
PRIORITY (CC, No, Date): US 525590 900521

ABSTRACT EP 458567 A2
    A method for servicing a mount request in an automated storage library
(1) in which all of the peripheral storage devices (4) therein are
occupied and which permits an active data storage medium to be
temporarily demounted and subsequently remounted in any subsequently
available peripheral storage device is disclosed. To service a mount
request requiring that a data storage medium be demounted, the access
information for the data storage medium to be demounted is first
retained. After demounting and servicing of the mount request, the
retained access information is used to permit remounting of the
previously mounted data storage medium in any subsequently available
peripheral storage device, thereby minimizing the risk of delay in
remounting. The method also allows for optional parameters to prevent
temporary demounting in an automated storage library, or to prevent
temporary demounting of particular data storage media. The method allows
access to more data storage media than there are peripheral storage
devices by temporarily demounting the least recently used data storage
media. (see image in original document)
ABSTRACT WORD COUNT: 173

...INTERNATIONAL PATENT CLASS: **G06F-012/08**

...SPECIFICATION from those criteria used during the periodic review of the
    activity of drives 4.
    A **drive** 4 can physically **write** to or **read** from only one optical
disk at any given time. A request to mount a volume...

...there are drives 4 by temporarily demounting the least recently used
    volume. The temporarily demounted **volume** is referred to as " **swapped**
    out" and the newly mounted **volume** is referred to as " **swapped** in". The
     drive specific information for the drive 4 is deleted from the active
    DCB 114 but the...

...the volume, the appropriate virtual list DCB is deleted from the linked
    list and the **volume** specific information **copied** into the active DCB
    114 for the appropriate drive 4. Because such access information is
    retained, a **volume** that has been **swapped** out under the virtual **drive**
     option is still considered active and under access. Also, remounting of
    a **volume** that has been **swapped** out can occur in any **drive** 4 so long
    as the access information is provided to the active DCB 114 for...

...is not tied to the original drive 4 in which the volume is mounted. A
    volume that has been **swapped** out will not logically appear to be in
    its home storage cell 3 as remounting must be distinguished from the

mounting of a **volume** that has not been **swapped** out. The actual number
of drives 4 in the library is thus transparent to users. In alternative
embodiments, additional virtual eligibility option parameters can be used
to specify only certain **volumes** as eligible for **swapping** to prevent
churn for **volumes** frequently accessed.
    Referring to the drawings, the high level operations of system
controller 17 will...

16/5,K/19   (Item 19 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00263660
Parallel data processing apparatus and method.
Paralleldatenverarbeitungsvorrichtung und -verfahren.
Dispositif et methode pour le traitement parallel de donnees.
PATENT ASSIGNEE:
  NIPPON TELEGRAPH AND TELEPHONE CORPORATION, (686330), 1-6 Uchisaiwaicho
    1-chome Chiyoda-ku, Tokyo, (JP), (applicant designated states: DE)
INVENTOR:
  Takahashi, Junichi, 1048-305, Kawaraguchi Ebina-shi, Kanagawa-ken, (JP)
  Kimura, Takashi, Shiiai-haitsu 304 1356, Yamazaki-cho, Machida-shi Tokyo,
    (JP)
LEGAL REPRESENTATIVE:
  Schwabe, Hans-Georg, Dipl.-Ing. et al (10921), Patentanwalte Schwabe,
    Sandmair, Marx Stuntzstrasse 16, W-8000 Munchen 80, (DE)
PATENT (CC, No, Kind, Date): EP 269995 A2   880608 (Basic)
                              EP 269995 A3   890322
                              EP 269995 B1   930623
APPLICATION (CC, No, Date):   EP 87117412 871125;
PRIORITY (CC, No, Date): JP 86280848 861127
DESIGNATED STATES: DE
INTERNATIONAL PATENT CLASS: **G06F-015/76 ; G06F-013/16**
CITED PATENTS (EP A): DE 3506749 A; EP 187994 A; WO 8201777 A
CITED REFERENCES (EP A):
  PROCEEDINGS OF THE CONFERENCE ON PATTERN RECOGNITION AND IMAGE
    PROCESSING, Las Vegas, Nevada, 14th - 17th June 1982, pages 692-697,
    IEEE, New York, US; L. CIMINIERA et al.: "VLSI structures for speech
    analysis and pattern recognition"
  PROCEEDINGS OF THE 1985 INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING,
    Pennsylvania, 20th - 23rd August 1985, pages 674-680, IEEE, New York,
    US; R. GINOSAR et al.: "Design and implementation of switching systems
    for parallel processors"
  PATENT ABSTRACTS OF JAPAN, vol. 8, no. 157 (P-288) 1594 , 20th July 1984;
    & JP-A-59 53 957 (SANYO DENKI K.K.) 28-03-1984
  MICROPROCESSORS & MICROSYSTEMS, vol. 5, no. 6, July/August 1981, pages
    241-245. IPC Business Press, Whitstable, Kent, GB; B. BRAUNLEDER et
    al.: "Parallel processing with an array of microcomputers"
  PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ACOZUSTICS, SPEECH, AND
    SIGNAL PROCESSING 1987, Dallas, Texas, 6th - 9th April 1987, vol. 1,
    pages 499-502, IEEE, New York, US; J.-I. TAKAHASHI et al.: "A flexible
    linear array oriented VLSI processor for continuous speech recognition"
    ;

ABSTRACT EP 269995 A2
    A parallel data processing apparatus comprises three data storage
areas, wherein each of said three data storage areas has means for
receiving data from an external apparatus through a data reception
terminal, means for transmitting data to the external apparatus through a
data transmission terminal, and means for supplying data to a computation
execution unit and receiving computation results. Said three storage
areas can be exclusively and cyclically switched in data reception, data
transmission, data computation write and read modes. The said apparatus
is further comprising means for controlling the mode switching, means for
executing desired computation based on the data, and means for
controlling the computation.
ABSTRACT WORD COUNT: 111

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application: 880608 A2 Published application (A1with Search Report
                              ;A2without Search Report)
  Change: 890301 A2 Obligatory supplementary classification
                              (change)
  Search Report: 890322 A3 Separate publication of the European or
                              International search report
  Examination: 890809 A2 Date of filing of request for examination:
                              890607
  Examination: 910619 A2 Date of despatch of first examination report:
                              910506
  Change: 930303 A2 Representative (change)
  Grant: 930623 B1 Granted patent
  Oppn None: 940615 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS B   (English) EPBBF1   2115
     CLAIMS B   (German)   EPBBF1   1646
     CLAIMS B   (French)   EPBBF1   2504
     SPEC B   (English) EPBBF1   5229
Total word count - document A   0
Total word count - document B   11494
Total word count - documents A + B   11494

INTERNATIONAL PATENT CLASS: G06F-015/76 ...

... G06F-013/16

...SPECIFICATION B for setting one data storage area in an no-operation
  state, and setting other **two** data **storage** areas in a data computation
  write-only mode and a **data** computation **read** -only mode, are
  alternately switched, so that the three data storage areas are
  selectively and...

...data transmission mode (in state A), no-operation mode (in state B), the
  data reception **mode** (in state **A**), and the data computation **read**
  -only mode (in state B), thereby parallelly executing data reception,
  data transmission, and data computation processing.
     A case will be described wherein cumulative distance calculation in
  Dynamic Time Warping of **speech** recognition is executed using a **linear**
  array processor consisting of processing elements (PE) each having the
  arrangement **shown** in Fig. 5 and a **means** for executing the six-state
  cyclical mode transition control method shown in Fig. 15.
     The cumulative distance calculation (to be referred...

  16/5,K/33   (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00549705   **Image available**
METHOD FOR EXCHANGING VOLUMES IN A DISK ARRAY STORAGE DEVICE
PROCEDE POUR ECHANGER DES VOLUMES DANS UN DISPOSITIF A MEMOIRE A DISQUES
   MAGNETIQUES
Patent Applicant/Assignee:
  EMC CORPORATION,
Inventor(s):
  BACHMAT Eitan,
  OFEK Yuval,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200013078 A1 20000309 (WO 0013078)
  Application: WO 99US18601 19990816 (PCT/WO US9918601)
  Priority Application: US 98143684 19980828
Designated States: JP KR AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
  SE
Main International Patent Class: **G06F-003/06**

Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 10094

English Abstract
   Load balancing of activities on physical disk storage devices is
   accomplished by monitoring reading and writing operations to blocks of
   contiguous storage locations on the physical disk storage devices. A list
   of exchangeable pairs of blocks is developed based on size and function.
   Statistics accumulated over an interval are then used to obtain access
   activity values for each block and each physical disk drive. A
   statistical analysis leads to a selection of one block pair. After
   testing to determine any adverse effect of making that change, the
   exchange is made to more evenly distribute the loading on individual
   physical disk storage devices.

French Abstract
   L'invention permet d'assurer un equilibre du chargement des activites
   sur des dispositifs physiques a memoire a disques magnetiques, grace a un
   controle des operations de lecture et d'ecriture dans des blocs
   d'emplacements de memoire compris dans ces dispositifs physiques a
   memoires a disques magnetiques. Une liste de paires de blocs echangeables
   est developpee en fonction de la taille et de la fonction. Les
   statistiques accumulees sur un intervalle sont ensuite utilisees pour
   obtenir des valeurs d'activite d'acces pour chaque bloc et pour chaque
   lecteur de disques physique, une analyse statistique permettant par
   ailleurs de selectionner une paire de blocs. Apres avoir effectue un
   controle destine a determiner tout effet defavorable provoque par ce
   changement, on procede a l'echange afin de repartir plus equitablement le
   chargement sur differents dispositifs physiques a memoires a disques
   magnetiques.

Main International Patent Class: **G06F-003/06**
Fulltext Availability:
  Detailed Description

Detailed Description
... LVI define one
  exchangeable pair. Thus in this particular embodiment
  there are twenty-seven possible **exchangeable** pairs of
  logical **volumes** .

  In step 64, the **load** balance program uses the
  accumulated statistics and read-hit ratio to produce a
  read-miss...

...value
  corresponds to the number of read operations that require
  access to a physical disk **drive** for data, a **read** -hit being
  a **reading** operation that finds the requested data in the
  cache memory 33 of FIG. 2. When...

 16/5,K/34   (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00418955   **Image available**
DISTRIBUTED ARCHITECTURE FOR AN INTELLIGENT NETWORKING COPROCESSOR
ARCHITECTURE REPARTIE POUR COPROCESSEUR DE GESTION DE RESEAU INTELLIGENT
Patent Applicant/Assignee:
  CORNELL RESEARCH FOUNDATION INC,
Inventor(s):
  FRIEDMAN Roy,
  BIRMAN Kenneth P,
  LESZCZYNSKI Nicholas G,

SCHNEIDER Mark C,

English Abstract
    Group communication technology, such as the Horus process, is used to
    implement a fault-tolerant high performance, reactive, real-time
    distributed IN coprocessor (14). The architecture of the distributed IN
    coprocessor (14) comprises workstation clusters, external adaptors (20a
    and 20b), and an update interface (24) interconnected by high speed
    communication links. Each workstation of the IN architecture represents a
    query element (22), so all the databases used by the IN coprocessor (14)
    in the course of servicing incoming request are split between query
    elements (22), provided that each of the workstation has access to the
    information stored in a certain database or databases. Group
    communication systems provide necessary features for managing and
    obtaining high reliability and operability of the IN coprocessor (14)
    including failure detection, notification of other members of the system
    about the failures, reconfiguration of the system to exclude failed
    members, bringing back into the system the members that have been
    recovered, and updating the recovered or new members according to the new
    state of the system.

French Abstract
    On utilise la technologie de communication de groupe, tel que le
    processus Horus, pour mettre en oeuvre un coprocesseur (14) de gestion de
    reseau intelligent (IN) reparti en temps reel, reactif, haute performance
    et tolerant aux fautes. Ledit coprocesseur IN reparti (14) comporte des
    grappes de postes de travail, des adaptateurs externes (20a & 20b), et
    une interface de mise a jour (24) interconnectee par des liaisons de
    communication grande vitesse. Chaque poste de travail de l'architecture
    IN represente un element d'interrogation (22) de sorte que toutes les
    banques de donnees utilisees par le coprocesseur IN (14) au cours du
    traitement des demandes entrantes soient divisees en elements
    d'interrogation (22), a condition que chaque station de base ait acces
    aux informations memorisees dans une ou plusieurs bases de donnees. Les
    systemes de communication de groupe produisent les caracteristiques
    necessaires pour la gestion et la production d'une grande fiabilite et
    exploitabilite du coprocesseur (14), dont la detection de defaillances,
    la notification d'autres membres du systeme concernant les defaillances,
    la reconfiguration du systeme pour l'exclusion des membres defaillants,
    le retour dans le systeme des membres ayant ete repris ou de nouveaux
    membres en fonction de l'etat du systeme.

...International Patent Class: **G06F-07:00**
Fulltext Availability:
    Detailed Description

Detailed Description
... not be
    functionally similar to a STP described earlier.

    The QEs have access to the **data - base** , and are
    responsible for executing the **queries** that are sent to

the QEs by the **switch** . Each entry in the **data - base** is
held by more than one QE, which means that the **database**
is **replicated** for increased availability. The UI is an
interface through which **updates** to the **database** are
initiated.

It should be understood that the present
invention can be built and practiced...

16/5,K/36   (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00368296   **Image available**
**COHERENT   FILE SYSTEM ACCESS DURING DEFRAGMENTATION OPERATIONS ON A STORAGE
    MEDIA**
**ACCES   COHERENT   A UN SYSTEME DE FICHIER AU COURS D'OPERATIONS DE
    DEFRAGMENTATION SUR UN SUPPORT-MEMOIRE**
Patent Applicant/Assignee:
  SYMANTEC CORPORATION,
Inventor(s):
  COHEN Leonardo,
  KENNEDY Mark Kevin,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9708623 A1 19970306
  Application: WO 96US3683 19960318   (PCT/WO US9603683)
  Priority Application: US 95518674 19950823
Designated States: CA AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: **G06F-013/00**
International Patent Class: **G06F-13:14 ; G06F-13:22**
Publication Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 5009

English Abstract
  A file defragmentation utility for a computer system (10) is disclosed
  that enables multithreaded preemptive multi-tasking during file
  defragmentation. The utility includes a defragmentor (60) routine that
  defragments clusters or portions of a file on a storage media (18) and
  then updates one or more file system structures to indicate the new
  locations of the defragmented clusters of the file. An alias driver (16)
  is provided that traps accesses to the file and that maintains coherent
  access to the file while the file system structures are updated.

French Abstract
  Programme utilitaire de defragmentation de fichier pour systeme
  informatique (10) autorisant un fonctionnement multitache par logique de
  preemption multifilieres au cours d'une defragmentation de fichiers. Le
  programme utilitaire comporte un sous-programme de defragmentation (60)
  qui defragmente des grappes ou des parties de fichier sur un
  support-memoire (18), puis met a jour une ou plusieurs structures de
  systeme de fichiers pour indiquer les nouveaux emplacements des grappes
  defragmentees du fichier. Un lecteur de pseudonyme (16) assure le piegage
  des acces au fichier et maintient un acces coherent au fichier pendant la
  mise a jour des structures de systeme de fichier.

Main International Patent Class: **G06F-013/00**
International Patent Class: **G06F-13:14** ...

... **G06F-13:22**
Fulltext Availability:
  Detailed Description

Detailed Description
... 248, the disk alias driver 82 determines whether

the trapped IOS write command specifies a **read** or **write** to the old **swap** **file** portion that was recently **cloned** to a contiguous area of the disk **drive** 16. This determination is made by comparing the sector and delta value write parameters of the trapped IOS send command with the sector and delta value parameters of the old **swap** **file** cluster.

Set	Items	Description
S1	10382954	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2	220887	(FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE)(5W)S1
S3	208603	(SECOND? OR 2ND OR TWO)(5W)S1
S4	534	S2(5N)S3(5N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR -REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5	337617	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???)(7N)S1
S6	589068	(WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???)(7N)S1
S7	560655	S1(5N)(SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX-CHANG? OR SWAP????)
S8	4	S4(S)S5(S)S6(S)S7
S9	316497	S1(7N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10	8	S9(S)S2(S)S3(S)S5(S)S6(S)S7
S11	944	S5(S)S6(S)S7
S12	132	S9(S)S5(S)S6(S)S7
S13	89	RD (unique items)
S14	52	S13 NOT PD>20000211
S15	11	S8 OR S10
S16	8	RD (unique items)
S17	7	S16 NOT S14
S18	140375	(QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???)(7N)(DATABASE? ? OR DATA()BASE? ?)
S19	73361	(WRIT??? OR INSERT??? OR UPDAT???)(7N)(DATABASE? ? OR DATA()BASE? ?)
S20	9654	(DATABASE? ? OR DATA()BASE? ?)(7N)(SWITCH??? OR FLIP???? OR SHIFT???)
S21	38	S18(S)S19(S)S20
S22	30	RD (unique items)
S23	28	S22 NOT (S14 OR S17)

02026413   SUPPLIER NUMBER: 19046033   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Data defenders. (backup solutions for the desktop) (includes related
    articles on backup software advances, mirroring, shopping tips, modular
    solutions) (includes related product-comparison charts and guide to drive
    types)(Buyers Guide)**
Stone, M. David
Computer Shopper, v17, n2, p365(17)
Feb, 1997
DOCUMENT TYPE: Buyers Guide   ISSN: 0886-0556   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7285   LINE COUNT: 00532

...   ones; /C continues copying after an error (which you will get when
XCOPY tries copying the open Windows swap file); /H copies hidden and
system **files** ; /R overwrites **read** -only **files** ; /K **copies**   **file**
attributes as well as the **files** themselves. The result should be an exact
 copy of your C: **drive** .
      Next, repeat the **copy** , adding the /M switch to set the archive bit
off on all the files. The archive bit lets XCOPY and other backup schemes
keep track of which **files** have been **modified** since the last backup. The
next time you copy with /M, XCOPY will copy only those **files** that have
been **modified** since the previous backup.
      To make future backups easier, save the XCOPY command (complete with
the /M switch) as a batch file. To speed up...

01888644   SUPPLIER NUMBER: 17956818   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Picture this.(document imaging)(includes related articles about use of
    document management systems and the Perfect Information database) (IT in
    the City) (Company Business and Marketing)**
Hobby, Jason
Computer Weekly, p60(2)
Nov 30, 1995
ISSN: 0010-4787   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 990   LINE COUNT: 00083

ABSTRACT: Perfect Information (PI) provides online images of financial
documents for Stock **Exchange** listings. Users of the **database** are able
to **search** , print and view **copies** of documents, such as reports,
circulars and Regulatory News Service announcements. PI is planning to
upgrade its **database** , **changing** from a Filenet optical disk jukebox to a
RAID system for faster access. The company will also start using high-speed
digital scanners, which will...

01866172   SUPPLIER NUMBER: 17621996   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Try before you buy; great software on the honor system. (evaluation of
    eight shareware programs)(Computer Shopper Buying Guide) (Software
    Review)(Evaluation)**
Gralla, Preston
Computer Shopper, v15, nSPEISS, p368(2)
Nov-Dec, 1995
DOCUMENT TYPE: Evaluation   ISSN: 0886-0556   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 991   LINE COUNT: 00098

`..   rush.
     Paint Shop Pro
     JASC's Paint Shop Pro is a necessity for anyone who creates, uses, or
views pictures on a PC. The program **reads** **files** in every image format
you can name and in many you've probably never heard of. It also converts
files between formats, and gives you sophisticated graphics- **editing**
tools, including the ability to **flip** , **mirror** , and rotate **files** and
add special effects and filters.
     If you want to scan in graphics or capture screen images from other
applications, you can do that, too...

 14/3,K/4   (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01834387   SUPPLIER NUMBER: 17397003   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tricks up your sleeve. (tips for managing LANs)(The Networker)(Network
   Edition: First Looks)(Column)(Brief Article)
Danielle, Diane
PC Magazine, v14, n16, pNE57(1)
Sep 26, 1995
DOCUMENT TYPE: Column Brief Article   ISSN: 0888-8507   LANGUAGE:
   English   RECORD TYPE: Fulltext
WORD COUNT: 508   LINE COUNT: 00041

...   INI manager that will let you use an environment variable. If you
don't need such fine control over the contents of the SYSTEM.INI **file** ,
simply **copy** both the SPART .PAR **file** and SYSTEM.INI to the local hard
disk after you've created the permanent **swap** **file** . Before you **load**
Windows, check to see if those **files** exist on the desktop; if so, then
just copy them to the server. You'll always have a correctly matched pair.
Remember that SPART.PAR is created as a **READ** ONLY **file** , so you'll need
to **change** the attribute.
     Diane Danielle, an independent networking consultant, can be reached
on CompuServe at 72241,2566 or MCI Mail at 383-1159.

 14/3,K/5   (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01706275   SUPPLIER NUMBER: 16269588   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Data toolkit for Clipper maintains .DBF files. (The Technology Management
   Group's Xbase Data Toolkit 1.5) (1994 Comdex Guide)(Brief Article)
   (Product Announcement)
Data Based Advisor, v12, n10, p79(1)
Oct, 1994
DOCUMENT TYPE: Product Announcement   ISSN: 0740-5200   LANGUAGE:
   ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 182   LINE COUNT: 00016

     Canadian Gov. Booth - For data **editng** and **database** maintenance,
visit this booth. The xBase Data Toolkit (XDK) version 1.5 (for Clipper
developers) creates, manipulates, and maintains .DBF files. Components
include COMMAND PROMPT...

...like, network-aware commands, and SPEED KEY, which features accelerated
interaction, executes DOS commands and evaluates Clipper expressions. Data
editing is equipped with automatic mode **switching** (SHARED, READONLY,
EXCLUSIVE) and **record** -locking mechanism. Feature-rich Browse includes
dynamic column scaling, single- **record** screen **switching** , column
freezing, **searching** , etc. Comprehensive analysis allows detection of
index corruptions. Smart index checking prevents use of invalid index
files and promotes index-sensitive **editing** . RDD supports NTX, IDX, MDX,
CDX formats and more. Programmer utilities include one-way synchronized
file **copy** , text **search** and replace, etc. Interaction with XDK is
informative and intuitive with shading of deleted records; displaying

progress status bar; selecting via pick lists; **switching** by area number;
opening **files** by typing filename; printing multiple structures side by
side; etc.

14/3,K/6   (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01670447   SUPPLIER NUMBER: 15040595   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Synchronize your computers with UPDATE. (programming utility for
   transferring data files) (includes related articles on UPDATE's format
   and how to download PC Magazine's utilities) (PC Tech: Utilities)
   (Column)**
Aitken, Peter G.
PC Magazine, v13, n6, p287(4)
March 29, 1994
DOCUMENT TYPE: Column   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3191   LINE COUNT: 00235

...   verify a file transfer or track down the most recent version of a
file.
      The third switch, /Q (for "quick"), is relevant only when using
UPDATE to transfer **files** between a path and a drive (the second method
described above). It's not uncommon for a large hard disk to contain more
than one file with the same name located in different subdirectories. When
UPDATE finds a **file** on the **drive** that is newer or older than the
matching file on the path, its default is to ask the user whether to **copy**
the **file** . If the user answers no, UPDATE continues **searching** the drive
for other instances of the **file** . If the answer is yes, UPDATE copies the
file and then starts **searching** for the next **file** . But this prevents
using UPDATE in a batch **file** . With the /Q **switch** , **UPDATE**
automatically **copies** the newer version over the older version without
querying the user and then moves on to the next file. Warning: This can be
a dangerous option. You risk, for example, overwriting the wrong **README**
.TXT **file** . Use the /Q option with extreme care.
      UPDATE can be run in a Windows DOS session. In fact, that's how I
use it most of the time. Each of my transfer disks...

14/3,K/7   (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01618206   SUPPLIER NUMBER: 14348140   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**The hard drive bench test, part two: the truth about caching: is hardware
   or software better? (includes related article on testing methods)**
O'Brien, Bill
Computer Shopper, v13, n10, p580(3)
Oct, 1993
ISSN: 0886-0556   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2031   LINE COUNT: 00151

...   it rose from 53.8 for the bare drive to 153.8 with 2Mb of software
cache applied--a 186 percent increase. Sequential and random **writes**
benefited greatly with 32Mb, 16Mb, and 8Mb **file** sizes. Random **reads**
improved at and below the 4Mb **file** level, and the throughput rate for
sequential **reads** outdid the bare **drive** results at and below the 1Mb
file size. The CP30544 reached its fastest throughput rate, 9.5 Mb/sec,
doing sequential **reads** with a 4K **record** in a 256K **file** .
      Switching to 4Mb of software cache again improved the Disk Harmonic,
this time to 243.6. Its overall boost took a toll on sequential reads,
which were slower than those achieved with 2Mb of cache through the 32Mb,
16Mb, 8Mb, and 4Mb **file** sizes. Sequential and random **writes** , however,
were faster through those same **file** sizes.
      It was only at the 2Mb file size that sequential reads improved over
their 2Mb cache level, but everything else fell off the pace...

14/3,K/8   (Item 8 from file: 275)

01596394   SUPPLIER NUMBER: 13772761   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Squeegee 1.0. (Icon Simulations) (Software Review) (one of 10 evaluations
  of desktop management software packages in 'The Many Faces of
  Windows')(Buyer's Guide: Desktop Managers) (Evaluation)
Gilliand, Steve
PC Sources, v4, n5, p271(1)
May, 1993
DOCUMENT TYPE: Evaluation   ISSN: 1052-6579   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 305   LINE COUNT: 00023

...ABSTRACT: applications to be launched by priority or alphabetically.
Squeegee can be configured to automatically launch an application and all
associated data files simultaneously. The Quick **Filer** facility allows
users to run, **edit** , search for, delete, **copy** and move **files** . Although
its **file** management tools are not sophisticated, they provide solid
functionality.

14/3,K/9   (Item 9 from file: 275)

01549298   SUPPLIER NUMBER: 13229254   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bulletin boards. (computer BBSs)
Computer Shopper, v12, n12, p765(44)
Dec, 1992
ISSN: 0886-0556   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 73106   LINE COUNT: 05573

...   MS-DOS 80386; 1,079Mb running QuickBBS 2.75 with US Robotics at up
to 57,600 bps. Established 08/89; no fee. 1.2Gb **drive** and 6-disc CD-ROM
online. Many echomail areas and online games. New files daily.
     North Highlands 334-2773. The Ultimate BBS with sysop Brian...100Mb
running Maximus 2.00 with Hayes at up to 2,400 bps. Established 03/92; no
fee. FidoNet 1:141/980. User-chosen echoes. **Files** and USBBS list **updated**
 monthly.
     East Hartford 528-5831. Warrior BBS with sysop Mario Carrano. 1 line
operating on a MS-DOS 80386; 260Mb running Telegard 2.7 with...

14/3,K/10   (Item 10 from file: 275)

01512363   SUPPLIER NUMBER: 12222029   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Double duty database. (Software Review) (Omnis 7 data base engine or SQL
  front end from Blyth Software of Foster City, California) (Evaluation)
Fogel, Steve
LAN Magazine, v7, n5, p149(3)
May, 1992
DOCUMENT TYPE: Evaluation   ISSN: 0898-0012   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2189   LINE COUNT: 00169

...   separate features for each. For example, Omnis 7 supports balloon
help and AppleEvents for Macintosh System 7 and supports a "help bar" and
Dynamic Data **Exchange** for Windows.
     Database engine: At the core of Omnis 7 is its multiuser relational
database engine. An Omnis program can have dozens of files open
simultaneously, display fields from multiple **files** on a single window,
and **update** all open **files** with a single command. Built-in indexes

provide good performance when **searching** and when linking **files** in a relational fashion with primary and foreign keys. In addition, Omnis 7 offers its own brand of hierarchical file linking, called the Omnis connection...

14/3,K/11   (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01509956   SUPPLIER NUMBER: 12077254   (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC-to-Mac file exchange: a range of approaches. (products for converting
    files between IBM PC and Macintosh)(includes related articles on file
    formats, glossary of Macintosh terms, Apple System 7, AppleTalk and the
    OSI model)
Rizzo, John
PC Magazine, v11, n9, p181(9)
May 12, 1992
ISSN: 0888-8507   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6541   LINE COUNT: 00502

...   the image contained in the file. EPS files are commonly used to exchange image data between application programs. Many Mac and PC graphics packages can **read** and **write** EPS **files** , although EPS formats are not always the **same** . Adobe Illustrator's 88 EPS format is supported by several Mac applications.
    extension mapping The process of assigning Macintosh creator and type codes to a...

14/3,K/12   (Item 12 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01496621   SUPPLIER NUMBER: 11887163   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tutor. (column) (Tutorial)
Prosise, Jeff
PC Magazine, v11, n4, p335(2)
Feb 25, 1992
DOCUMENT TYPE: Tutorial   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1575   LINE COUNT: 00114

...   merely creates the E: alias for drive B:, allowing COPY to work. It has no control over when or how often access to either logical **drive** occurs.
    COPY copies files from **drive** B: to E: by **reading** the entire contents of one **file** , if it requires less than 64K, from B: into memory; if it requires more than 64K, COPY reads just the first 64K. Next, COPY attempts...

...to E:. At this point, DRIVER.SYS, realizing that B: and E: represent the same physical device, prompts you to remove the current disk and **insert** the one for **drive** E:. After copying the data, COPY returns to **drive** B:, either to **read** the next **file** or anything still remaining from the first. Once again, DRIVER.SYS intervenes, asking you to reinsert the disk for drive B:. The process repeats until...

14/3,K/13   (Item 13 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01496520   SUPPLIER NUMBER: 11723524   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Virus-proof your PC. (Software Review) (Overview of 11 evaluations of
    antivirus software for IBM-compatible microcomputers) (Evaluation)
Taylor, Wendy; White, Ron; Gralla, Preston; Reed, Sandy
PC-Computing, v5, n2, p122(12)

Feb, 1992
DOCUMENT TYPE: Evaluation   ISSN: 0899-1847   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1669   LINE COUNT: 00127

...   s normal boot sector, and installs itself in its place. From then
on, every time you turn on your PC, the virus loads into memory-- **ready** to
infect any floppy you access.
          File viruses **replicate** by attaching themselves to executable
files . When you execute the **file** , the virus **loads** into memory and
infects what it finds there, or it **searches** for other program **files** in
which to insinuate itself. **Exchange** of infected floppy disks and infected
programs among coworkers is the most common route that viruses travel. But
the NCSA reports documented cases of viruses...

   14/3,K/14   (Item 14 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01493298   SUPPLIER NUMBER: 11644176   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Reflections on fault tolerance: when your LAN breaks, seven years bad luck
   is getting off easy. (strategies for protecting local area networks from
   power- and disk-related failures) (Tutorial)
Moslehi, Farid
LAN Technology, v8, n1, p35(5)
Jan, 1992
DOCUMENT TYPE: Tutorial   ISSN: 1042-4695   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3115   LINE COUNT: 00233

...   in the workstation and handles all DOS I/O activity (in principle,
not unlike the concept behind the Nonstop Networks strategy discussed
above). The client **reads** from the primary **file** server and writes to the
primary and secondary **file** servers.
          The **Mirroring** monitor runs on a dedicated personal computer and
coordinates the traffic between clients and file servers. The monitor logs
the activity of the clients, so...

   14/3,K/15   (Item 15 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01454977   SUPPLIER NUMBER: 11437563   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Designers seek standards, formats to resolve file-exchange problems.
   (includes related article on current and emerging standards)
Goldberg, Cheryl J.
MacWEEK, v5, n36, p40(2)
Oct 22, 1991
ISSN: 0892-8118   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1058   LINE COUNT: 00089

...ABSTRACT: specialized file-format standards to deal with the problem.
Computer artists who wish to share work with their colleagues currently
must have a program that **writes** and **reads** the **same   file** format.
With the plethora of graphics tools available for the Apple Macintosh, that
necessity is not always likely. Vendors say that a single standard is...

...more, not fewer, standards. Users attempting to work in the face of so
many standards will have to take solace in filters and third-party **file**
exchange programs.
...   graphic artists. Although these tools give designers tremendous
flexibility in their work, the use of varied file formats causes problems
when it comes time to **exchange   files** with other artists. Unless two
products write and **read** the **same   file** format, they can't even open,
much less **edit** , each other's **files** .
          Unfortunately, relief is unlikely to come in a form that's elegant

for users, such as a single, all-encompassing file format. Vendors insist
that...

14/3,K/16   **(Item 16 from file: 275)**

01418313   SUPPLIER NUMBER: 09798673   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**DR DOS 5.0: the better operating system? (Digital Research Inc.'s operating
  system)(includes related articles on differences between MS-DOS and DR
  DOS, the origin of MS-DOS and expected features of MS-DOS 5.0) (Software
  Review) (evaluation)**
Rosch, Winn L.
PC Magazine, v10, n3, p241(9)
Feb 12, 1991
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6133   LINE COUNT: 00451

...   0 files. This command allows you to completely hide individual
files or directories from the view of unauthorized people, and to restrict
those who may **read** , erase, or **change**   **files** . All the DR DOS 5.0
commands understand this password system. Using a protected file is simply
a matter of appending the assigned password after a semicolon at the end of
a filename in the command. With the global access **switch** , you can access
all the **files** on an entire disk that use the **same** password without
using the password on each one. That way vintage programs that don't
understand the password system will still work properly with protected...

14/3,K/17   **(Item 17 from file: 275)**

01367808   SUPPLIER NUMBER: 08693414   (USE FORMAT 7 OR 9 FOR FULL TEXT)
New databases for old. (Software Review) (Oracle SQL) (evaluation)
Sanders, Jerry
PC User, n136, p40(4)
July 4, 1990
DOCUMENT TYPE: evaluation   ISSN: 0263-5720   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3875   LINE COUNT: 00309

...   have to conclude that if you were to decide that's a good idea,
then you probably don't need to switch from fileserving to **database**
serving anyway, especially when the **change** -over is going to cost you
several tens of thousands of pounds just in hardware, and software, let
alone training and administration costs. Some sample comparison timings,
showing the difference between the **same** **queries** running under a
fileserver and the **database** server architectures, are given in the
Benchmark Results box.
      Installation
      We now come to installation. First take your database server
hardware. In our case, this...

14/3,K/18   **(Item 18 from file: 275)**

01353002   SUPPLIER NUMBER: 08289886   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Microsoft C version 6.0 provides an integrated development environment.
Bergman, Noel J.
Microsoft Systems Journal, v5, n2, p53(10)
March, 1990
ISSN: 0889-9932   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6340   LINE COUNT: 00474

```
`
```

... the ability to go back and install a new library set when you need
it will undoubtedly prove very useful to people with limited disk **storage**
.

The / **COPY** switch , another useful **switch** , decompresses **files**
--the C 6.0 package is so large that Microsoft compressed all the **files** .
This **switch** not only decompresses the requested **file** , it knows exactly
which disk needs to be **inserted** to find the **file** . This means no more
searching through all the subdirectories on a half dozen floppy disks. The
/HELP switch lists and explains all of the available options.
After the files have...

14/3,K/19   (Item 19 from file: 275)
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01316764   SUPPLIER NUMBER: 07921286   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Give yourself a smart DOS command line with ALIAS. (includes tear-out
  summary of DOS commands)(Utilities) (technical)
Prosise, Jeff; Boling, Douglas
PC Magazine, v8, n22, p253(8)
Dec 26, 1989
DOCUMENT TYPE: technical   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5900   LINE COUNT: 00436

... command file. The command line is copied into the file buffer and
treated as a one-line file. If the command line contains an/F **switch** to
load in a command **file** , ALIAS **reads** the **file** into the **file** buffer,
allowing it to overwrite the text of the command line. If then resets a
pointer to address the start of the file and processes each line of the
file .
Each alias and command-line **switch** is parsed by scanning a line
until a character is found. If a forward slash is found, the character
immediately following it is compared with...

14/3,K/20   (Item 20 from file: 275)
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01309816   SUPPLIER NUMBER: 07486474   (USE FORMAT 7 OR 9 FOR FULL TEXT)
SELECTed basics. (Second in a series) (Hands-on SQL) (column)
Sayles, Jonathan S.
Data Based Advisor, v7, n8, p37(4)
August, 1989
DOCUMENT TYPE: column   ISSN: 0740-5200   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1549   LINE COUNT: 00120

In the July issue of **Data   Based** Advisor we defined and **loaded**
our PC Parts **database** (see Fig. 1) with SQL CREATE and **INSERT**
statements. (If you'd like to build a **copy** of the PC Parts **database**
used in this series, you can get it on the July Program Disk or from the
Data   Based Advisor **Readers   Exchange** , (619) 270-2042.) This month
I'll examine the basic SELECT statement--used to extract information from
tables in a relational database.
SELECT is one...

14/3,K/21   (Item 21 from file: 275)
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01303271   SUPPLIER NUMBER: 07550796   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tandy DeskMate: the poor man's Windows. (The Corporate Micro) (column)
Seymour, Jim

...   standard 1-2-3 version 2.01, but without macros, hooks for add-ins
or support of EMS. The new 1-2-3/DeskMate can **read** and **write** .WK1
files , so it's highly compatible on the **file** - **exchange** level with any
other **copy** of 1-2-3 you're likely to run into.
        Symantec's Q&A Write for DeskMate tracks the program's standard
release even more...

  14/3,K/22   (Item 22 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01286759   SUPPLIER NUMBER: 07070862   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Mac SE-30: packed with power and a 32-bit bus. (Hardware Review) (First
  Look) (evaluation)**
Guterman, Jimmy

...   to call the same old program -- Apple File Exchange -- to translate
the DOS data into Macintosh-readable information. Getting the Mac SE/30's
internal **drive** to **read** and **write** to DOS disks is impressive, but
users must still drop their application and call up a second program to
import the data.
        This is a...

  14/3,K/23   (Item 23 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01246221   SUPPLIER NUMBER: 06810901   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Can you relate? The answer to a reader's question lets us take another look
  at relational databases. (1-2-3 Macros)**
Gasteiger, Daniel

...   visit dates and erases the disk file that contains them. It then
extracts the menus that were served on the dates the customer visited.
        TWO **FILES** , ONE DISK
        To **modify** this system so that it works with two files stored on a
single disk, don't create the intermediary file named SWITCHER. Simply omit
that worksheet from the disk, and replace the file name SWITCHER in cell 18
of the macro in the GUESTS **file** with the name MENUS.
        By the same token, omit the **SWITCHER** **file** if you have a two-disk
system. In this case, you should start with the GUESTS disk in the default
disk drive and put the...

  14/3,K/24   (Item 24 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01209074   SUPPLIER NUMBER: 06126676   (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC tutor. (productivity) (column)
Hummel, Robert L.; Petzold, Charles

...   is incorrect. Raymond Martin Temple, Texas
        DRIVER.SYS was IBM's solution to the problem of letting us copy files
between disks using the same **drive** . The large number of disk **changes**
required by DOS during a copy is caused by the copy commands themselves.
The COPY command copies one file at a time from source to target. If you
issue the command **COPY** A:*.* D:*.*
        DOS will **read** one **file** from the source diskette in **drive** A:,
ask you to **swap** diskettes, and **write** that one **file** to the target
diskette in logical **drive** D:. To **read** the next **file** , it must ask you
to replace the source diskette and begin again. Using this method to **copy**
more than one **file** , or a large **file** that must be transferred in pieces,
can become tiring very quickly.
        XCOPY.COM, a recent DOS addition, will read as many files from the
source...

14/3,K/25   (Item 25 from file: 275)
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01208301   SUPPLIER NUMBER: 06169182   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Answers to your questions about Lotus products. (Q & A) (letter to the
    editor)**
Marcil, Ian; Duhaine, Gary; Price, Charles W.; Knowlton, Craig F.; Tryder,
Don; Blackwell, Joanna; Friedman, Kenneth J.; Oakland, Sarah
Lotus, v3, n1, p97(3)
Jan, 1987
DOCUMENT TYPE: letter to the editor   ISSN: 8756-7334   LANGUAGE:
    ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 2401   LINE COUNT: 00192

...   an error waiting to cause me problems down the road?
        -Ian Marcil, North American Real Estate, Dallas, Tex.-
        A. An IBM AT's high-density **drive** cannot **read** Symphony Release
1's **copy** protection without switching to low-density mode. The
high-density **drive** shouldn't have a problem **reading** 1-2-3. In Symphony
insert the Program Disk in **drive** A and enter dir a: at a DOS prompt. A
DOS command such as Dir **switches** the high-density **drive** to low-density
if there is a low-density disk in the **drive** , thus allowing the program to
read the **copy** protection.
        In your case, it is unlikely that the problem is your System Disk.
        When a disk works on one computer and not another, the...

14/3,K/26   (Item 26 from file: 275)
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01177729   SUPPLIER NUMBER: 04316847   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Flat-file databases. (Software Review) (evaluation)
Krasnoff, Barbara
PC Magazine, v5, n14, p269(23)
Aug, 1986
DOCUMENT TYPE: evaluation   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 13991   LINE COUNT: 01070

...   Data is finally installed and you've read IBM's version of War and
Peace, the clean and easy menu-driven program is a refreshing **change** . PDS
Data opens to the **Files** menu, which offers choices such as Define File;
Define Sort; Define Additional Index, which lets your build up to six
additional definitions if you want more than one way to access your

records ; Enter Data; **Query   File** , which selects **records** with
If-And-Or logic, displays or prints records, totals values, and performs
calculations on two numeric values; and **Copy   File** for **cloning** ,
reformatting, and converting **files** from BASIC, TEXT, or DIF files to
indexed and direct files. From a window on each module's opening screen,
you can **switch** among the **Files** Menu, Applications Menu (for creating
procedures), Communications Menu, and Utilities Menu (for maintaining
libraries).
        Function key commands appropriate to the menu you're in are...

  14/3,K/27   (Item 27 from file: 275)
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01152659   SUPPLIER NUMBER: 00593975   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Best of 1984 and Some of the Worst.
Krasnoff, B.
PC Magazine, v4, n1, p139-149
Jan. 8, 1985
DOCUMENT TYPE: evaluaton   ISSN: 0888-8507   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 8133   LINE COUNT: 00614

...   100) different 5-1/4-inch floppy disk formats to IBM disks. (It can
move programs, but most will not run on inhospitable computers.) Xeno- **Copy**
-Plus lets you send **files** both ways-- **reading** , **writing** , and even
formatting any of the multiplicity of disk formats. Finally, you can
exchange   files with friends and associates who own machines whose names
you've never heard before (except if they should be Apple, Commodore,
Franklin, or Atari).
        Xeno...

  14/3,K/28   (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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02133455   Supplier Number: 55297420   (USE FORMAT 7 FOR FULLTEXT)
**Advanced Imaging Magazine Honors Norstan Consulting With "Solution of the
  Year".**
Business Wire, p0412
July 29, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 474

...   technologies" for the solution. XIOtech supplied its Magnitude SAN
in a Box, which is an intelligent RAID subsystem with an integrated 8-point
Fibre Channel **switch** and logical **volume** management software. Mercury
Systems provided its newly developed SANergy software that allows multiple
hosts to **read** and **write** to the **same   storage   volume** via the SAN.
        With a worldwide circulation of 60,00, Advanced Imaging Magazine, is
dedicated to providing the latest information on imaging software, software
and...

  14/3,K/29   (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
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01397667   Supplier Number: 46491888   (USE FORMAT 7 FOR FULLTEXT)
FAILURE TOLERANT PASSIVE BACKPLANE INDUSTRIAL PC
News Release, pN/A
June 25, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 383

TEXT:
...power supplies and disk mirrored, RAID 1, dual hard drives with hardware RAID 1 control. The SCSI RAID controller incorporates disk cacheing for high speed **read** performance. In the event of a hard **drive** failure the RAID controller will automatically **switch** to the **mirrored** **drive** . In the event of a power supply failure, the remaining supply which has been sharing the load will automatically assume the full **load** . Neither hard **drive** nor power supply failure will cause a system malfunction or data loss. The system sounds an audible alarm and energizes a visual indicator if any power supply fails and provides an on-screen diagnostic message if a hard **drive** fails. This "hot **swap** " model allows replacement of a defective power supply or hard drive while the computer is operating normally. A hard drive, if replaced, is then rebuilt...

14/3,K/30 **(Item 1 from file: 636)**
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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04041892   Supplier Number: 53410712   (USE FORMAT 7 FOR FULLTEXT)
SERVERS FOR CAD - Part 1.
Computer Aided Design Report, v18, n9, pNA
Sept, 1998
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1612

...   the network, distributing e--mail, and running product data management (PDM) software that tracks the locations of CAD models, drawings, and other engineering files. Superficially, **file** and compute servers are made of the **same** stuff: microprocessors, RAM and ROM, disk drives, power supplies, and network interfaces. From a buyer's perspective the difference between these two classes is in...

...of the multiprocessing ability. Lastly, compute servers must be equipped with enough RAM to permit the largest executable program you plan to use to be **loaded** without **swapping** to and from disk **storage** . (See the June 1998 CAD Report for discussion of memory requirements.) In general, for compute--serving applications, the systems with the highest single--processor floating...
...platform for a CAD data--management system, such as SDRC's Team Data Manager or PTC's Pro/Intralink, it doesn't change the picture. **Queries** to the underlying Oracle, Informix, or SQL **databases** are integer--based and involve relatively rudimentary chores. If you are shopping for a file server, the CPU performance will be less important than the...

14/3,K/31 **(Item 2 from file: 636)**
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01083096   Supplier Number: 40704106   (USE FORMAT 7 FOR FULLTEXT)
MULTIPLE OPTIONS FOR DATABASE ACCESS THROUGH NETWORKING
Online Libraries & Microcomputers, v7, n3, pN/A
March, 1989
Language: English   Record Type: Fulltext
Document Type: Newsletter; Professional Trade
Word Count: 1271

...   institutional mainframe using an appropriate text retrieval package (popular choices seem to be BRS/On-Site and Battelle's BASIS).
     The advantage of a locally **loaded** **database** on a larger system, is that multiple users from many workstations can use the **files** at one time. Also, since the **same** **search** software will be used for each **database** , the patron will not need to learn different **search** protocols when **switching** **files** . Many **database** producers are realizing this new trend

in the industry and are coming out with reasonably priced magnetic tape
leasing fees which do not have connect...

   14/3,K/32   (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01081299   Supplier Number: 40699398 (USE FORMAT 7 FOR FULLTEXT)
CONCORDANCE UPDATE INTEGRATES CD-ROM SUPPORT AND SPEED
CD Computing News, v3, n3, pN/A
March, 1989
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 399

...   features are standard in Concordance for OS/2. The program
automatically provides full file and record locking for all operating
modes. It works by allowing **searchers** to query, browse, and report with
records that are locked i n **edit** mode by other users. The OS/2 version
will index a database twice as fast as the DOS version. The multitasking
operating system allows workers to hot-ky between several library-size
databases , a feat that DOS cannot **duplicate** . Users will wa nt to **switch**
 to OS/2 for large **database** and work-group projects.
     Concordance can handle any form of text information management. The
integrated software system includes support for free text and fixed-length
...

   14/3,K/33   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

09203495   Supplier Number: 78268048 (USE FORMAT 7 FOR FULLTEXT)
SUITE SENSATIONS.(Evaluation)
KELLNER, MARK A.
Government Computer News, v18, n14, p16
May, 1999
Language: English   Record Type: Fulltext
Article Type: Evaluation
Document Type: Magazine/Journal; Professional Trade
Word Count: 2634

...   782-7022   trial versions can be
    www.stardivision.com   downloaded free for
                               personal use
     Weigh six factors
        * Compatibility. Can an office suite open and save **files** in
earlier formats of the **same** product line? Con it **read** **write** **files**
from other mainstream programs? How does it handle **file** **exchanges** with
Macintosh computers?
        * Hypertext Markup Language. Whether it's word processing,
spreadsheet, a database or presentation graphics, a suite should be able to
handle HTML...

   14/3,K/34   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06943267   Supplier Number: 58469466 (USE FORMAT 7 FOR FULLTEXT)
ON THE NET in 2000.(Brief Article)
Notess, Greg R.
Online, v24, n1, p71
Jan, 2000
Language: English   Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; Trade

Word Count: 1976

...   began in the summer of 1998 with its switch from AltaVista to
Inktomi, its competitors continued in 1999. The overall search interface
may look the   **same** , but the underlying **databases** are not. Does the
general Internet **searcher** even notice the **changed** **database** ? Since
these **databases** are all constantly **changing** anyway, the majority of Net
users probably never notice the difference. When that's the case, future
database **changes** may happen anytime that a company decides there is a
better, cheaper, or otherwise more attractive **database** to **switch** to.
        A LOOK FORWARD IN 2000
        So given all this activity in the past year, what does the new year
hold for the future of...

14/3,K/35   (Item 3 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04408026   Supplier Number: 46466861   (USE FORMAT 7 FOR FULLTEXT)
A Mirror For Every Desktop
VARbusiness, p139
June 15, 1996
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 157

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
The AC- **Mirror** is an industry-standard, integrated **drive** electronics
(IDE) adapter designed to provide hardware disk monitoring for DOS, Windows
3.x, 95 and NT, Novell, OS/2 and most Unix systems. The hardware supports
up to four IDE drives and delivers RAID 1 fault tolerance to the desktop.
While the board sets up to show a standard **drive** , the AC- **Mirror**   **writes**
  duplicate information to the **mirror** **drive** (s). An installation
program lets users select the primary **drive** and **mirror** **drive** , select
the **drive** where all **reads** are performed, or **switch** the **drive** that
is being **read** .

14/3,K/36   (Item 4 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

02869763   Supplier Number: 43866641   (USE FORMAT 7 FOR FULLTEXT)
HP Rolls Out RAID For EISA Servers
Electronic News (1991), p14
May 31, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 315

...   block striping with distributed parity, and level 6 block striping
and block mirroring.
        While Mr. Thompson conceded that duplexing - in which an operating
system will **read** and **write** to a **duplicate** **storage** subsystem -
offers greater fault tolerance, he said other disk array systems have been
overpriced compared to the HP offering. To achieve fault-tolerance, the HP
disk array offers hot **swapping** , allowing a failed **drive** to be replaced
while the system is up and other drives bear the load. Additional features
include automatic failure detection, transparent rebuilding of data and...

14/3,K/37   (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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02288707

MICROSOFT EXCEL OFFERS PIONEER'S Q+E TO EXPAND DATABASE CONNECTIVITY
    SOLUTIONS
News Release   June 19, 1989   p. 1

    Microsoft   Corporation   and   Pioneer   Software   today   announced   the
availability of Q+E (TM) version 2.1, an easy-to-use **database   query**
tool   that   links Microsoft (R) Excel to external databases. Like Microsoft
Excel, Q+E runs with all the graphical advantages of working within the
Window...

... built-in database to any dBASE file on disk by automatically generating
industry-standard   structured   query   language   (SQL)   to   extract from any
dBASE(R)-compatible   **file** . Dynamic data **exchange** (DDE) links between
spreadsheet cells and a database ensure that the data is accurate. By using
the graphical environment of Microsoft Windows, Q+E brings unprecedented
ease-of-use to the task of **querying** and **editing** dBASE-compatible
 databases . Selecting, sorting and joining **databases** is as easy as
pointing to and clicking on them with a mouse. The SQL statements for the
query are generated automatically by the point...
... dramatically improves the productivity of a user who needs to analyze
stored data. As is common in the Microsoft Windows environment, several
database tables or **files** can be viewed on- screen at the **same** time.
This flexibility makes it easier to create a "join" of several tables or to
browse through related but separate databases. Users see the records
selected before creating a spreadsheet with them. Microsoft Excel and Q+E
Deliver a Powerful Solution Although there are many methods for **database
 queries** , SQL is considered to be a powerful and widely used language that
is rapidly becoming a standard. Q+E 2.1 supports both dBASE IV SQL syntax
and ANSI standard SQL syntax. While Q+E will automatically generate SQL
commands, users experienced with the SQL language can **query** dBASE **files**
by typing SQL SELECT statements into the Q+E SQL Edit box or directly into
Microsoft Excel as a worksheet formula.

 14/3,K/38   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06490036   SUPPLIER NUMBER: 14011921   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**InfoWorld closes the Windows and opens reader mail for tips. (Window
    Manager) (Column)**
Livingston, Brian
InfoWorld, v15, n26, p30(1)
June 28, 1993
DOCUMENT TYPE: Column   ISSN: 0199-6649   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 677   LINE COUNT: 00049

...   a new directory for it at the same time, I need to switch to File
Manager and make the directory before I can save the **file** .
        Reader Jeff Pilch points out that you can use the File Manager to
make "nested" directories in a single command. To make several levels of
directories, such as C:\CLIENTS\SMITH\DOCS, simply **change** to the root of
the C: **drive** , click File Create-Directory, and type CLIENTS\SMITH\DOCS.
File Manager does the nesting for you, so you don't have to use the dialog
...

 14/3,K/39   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06199329   SUPPLIER NUMBER: 13419923   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Survival tips for DOS haters. (Column)
Roberts, Tony
Compute, v14, n10, p58(1)
Nov, 1992
DOCUMENT TYPE: Column   ISSN: 0194-357X   LANGUAGE: ENGLISH

...   copying becomes more complicated, however, look to the Xcopy
command.
       If you're copying several files, as with Copy*.* a:, Xcopy is faster
because it **reads** and **writes** in batches of **files** rather than **file** by
file. If you need to be selective about which **files** you **copy** , it's
Xcopy to the rescue again. Xcopy includes **switches** that allow you to
copy **files** based on the date the **file** was last **modified** or based on
the status of the **file** 's archive bit. The archive bit is turned on every
time a **change** is made in a **file** . If you use Xcopy to **copy** **changed**
files (those with the archive bit on), you provide yourself with a small
backup system.
       Help. Finally, one of the best things about DOS 5.0...

 14/3,K/40   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05455387   SUPPLIER NUMBER: 11371531   (USE FORMAT 7 OR 9 FOR FULL TEXT)
REUTERS COMPANY NEWSYEAR, FINANCIAL TIMES REACH AGREEMENT ON DATABASES
PR Newswire, 1010P1861
Oct 10, 1991
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 668   LINE COUNT: 00054

...   the first of its kind between our two organizations."
    For the first two years FT Profile clients will be presented with a
menu option of **searching** the Profile **database** of **switching** through
the gateway to Textline. If they choose Textline, they will use the
standard Textline interface to carry out their searches. They will be
subject to Profile's terms and conditions. From the third year, a
duplicate set of data from the Textline **database** will be **loaded** onto
FT Profile and all clients will then use the Profile search routine.
       Reuters will continue to own and operate the Textline database. The
selection...

 14/3,K/41   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05159906   SUPPLIER NUMBER: 10685590   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Moving information - a conversion project toolbox. (information storage
   systems)**
Eddison, Elizabeth B.
Database, v14, n3, p15(8)
June, 1991
ISSN: 0162-4105   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 4413   LINE COUNT: 00352

...   my Mac II in Microsoft Word. I have an Apple PC 5.25" Drive
attached to my Mac. MacLink Plus pc translators, operating under Apple
File **Exchange** , can take **files** from most PC word processing software
and convert them, with formatting intact, to Word files. A spreadsheet,
created on a PC in Lotus 1-2...

...a Word file. My Northgate 386 can handle any disks I receive in high
density format or in 3.5" size, and allow me to **copy** the **files** over to
a double density PC disk for use in the PC drive on the Mac. With the
addition of a Copy II PC deluxe option board, the 3.5" **drive** can also
read , **write** and format Mac disks. Of course the newer Macintosh models
come with the superdrive, which can read, write and format Mac 400K, 800K
and 1...

`14/3,K/42      (Item 5 from file: 148)`
DIALOG(R)File 148:Gale Group Trade & Industry DB
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04627986   SUPPLIER NUMBER: 09066236   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Care and feeding. (forcing backup files to a floppy automatically at
   conclusion of a program)
Schuyler, Michael
Library Workstation Report, v7, n4, p6(2)
April, 1990
ISSN: 1041-7923   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1139   LINE COUNT: 00077

...   source file.
      Archive bit? Every file in DOS has an archive bit. Think of a bit as
an on/off switch. When a backup program **copies** a **file** it reaches over
to the original (source) **file** and **flips** this archive bit off. The bit
is not turned on again unless the **file** is **modified** . Therefore, if a
program can read these archive bits, it will know which **files** have been
modified , but not yet backed up.
      Let's say you have 100 document files on your disk. You back them all
up with a program that...

`14/3,K/43      (Item 6 from file: 148)`
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

04075997   SUPPLIER NUMBER: 07843013   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The seven deadly sins of full-text searching.
Basch, Reva
Database, v12, n4, p15(9)
August, 1989
ISSN: 0162-4105   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 5902   LINE COUNT: 00462

...   explanatory notes to the title field of otherwise opaque citations.
      * Run the search in a bibliographic database to take advantage of its
controlled vocabulary, then **switch** to a full-text **file** to retrieve
specific articles. In this way, you're using full text as a document
delivery vehicle rather than a search tool. IAC's TRADE AND INDUSTRY INDEX,
MAGAZINE INDEX and COMPUTER **DATABASE** allow one to do this without
changing files : full-text **records** are fully indexed, and their text,
though not searchable (an advantage in a hybrid file of this type), can be
displayed or printed from within the **same   database** .
      SIN 3. WIMPINESS: Both **searchers** and systems must develop new
muscles
      If lack of controlled vocabulary is a sin, so is the failure to
compensate by providing software adequate to...

`14/3,K/44      (Item 7 from file: 148)`
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

03897904   SUPPLIER NUMBER: 07442069   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Major revision of NLM search software. (National Library of Medicine)
Database Searcher, v5, n1, p20(2)
Jan, 1989
ISSN: 0891-6713   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 738   LINE COUNT: 00061

...   renumber starting with the last search statement. Displayed search
statements inform the user which files were used to collect the items
retrieved.
      The Print instructions **switch** to different **files** and back
invisibly. When **searchers** want to print from multiple **files** with
different **search** statements, they use the Superprint (Sprint) command.

This command lets searchers designate a series of search statements (or All) for printing. With the Mfsearch command, searchers can specify a **search** strategy for running against a set of **databases** . The manual mode for Mfsearch gives the **searcher** more control by prompting for a Superprint command after each file and waiting for a Next command to move on to the next **database** . The Tfile mode for Mfsearch does the **same** but preserves earlier search results for later use. The Auto mode taps all the **databases** with no opportunity for **changing** the instructions. NLM warns that this last method could be costly if a strategy retrieves unanticipated large results. On the other hand, this is the only way to avoid "baby-sitting" the machine while it executes lengthy prints. The Manual mode requires **searchers** to answer Sprint prompts as well as **file changes** . The Mfsearch operates on saved **search** strategies.

To help users select **databases** , NLM has developed pre-selected groups of files: Medgroup or M66group (all Medline files); Toxgroup (Toxline, Toxlit, Toxlit65); Catgroup (Catline, Avline, Serline); Bacgroup (all Medline...

14/3,K/45   (Item 1 from file: 15)

01546811 01-97799
Which RAID system for which application?
Koepf, Andreas
Computer Technology Review v17n11 PP: 50-53 Nov 1997
ISSN: 0278-9647   JRNL CODE: CTN
WORD COUNT: 1461

...TEXT: a database server. Besides the swap I/Os of the operating system, there are additional I/Os which are performed in parallel -index and data **read** / **write** operations. Any access to the **database** must access both the index file and the data **file** . If both **files** are located on the **same** array in a heavily **loaded** **database** server, the hard drives must perform many time-consuming movements of the read/ **write** heads (moving the heads from the index **file** to the data file and back and forth). Because of this, **database** management system companies recommend " **load** balancing" when laying out data on the hard drives. This means using independent hard drives for the different **database** **files** . A disk array automatically balances the **load** , but one can achieve even more performance by installing independent arrays for these independent I/Os.

The 10 hard drives in our example (Fig 4...

14/3,K/46   (Item 2 from file: 15)

00889914 95-39306
System 7.5
Poole, Lon
Macworld v11n9 PP: 126-129 Sep 1994
ISSN: 0741-8647   JRNL CODE: MAW
WORD COUNT: 2232

...TEXT: file. MEO remembers the substitute application you pick for a particular type of file and uses it by default the next time you open the **same** type of **file** . PC **Exchange** lets a Macintosh **read** and **write** floppy disks formatted on PCs. With PC Exchange, these foreign disks appear on your desktop like Mac disks.

All of these interface enhancements--not to...

14/3,K/47   (Item 3 from file: 15)

00647861 92-62801
Windows Forms Processing
Taylor, Allen G.
InfoWorld v14n44 PP: 59-70 Nov 2, 1992
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 1421

...TEXT: have tested forms packages for speed or networking features.
Printing is an obvious speed test, but many forms packages can also be
tested much the **same** way a **database** can. For those tests, we used a
subset of the tables we ordinarily use to test multi-user databases. Our
platform for testing all but...

...megabyte ESDI hard disk, a Microsoft serial mouse, and a Hewlett-Packard
Laser-Jet III printer. We used WIndows Enhanced mode with a default
temporary **swap** **file** . For the networkability features check, we ...
field types. We awarded better scores to products that provide more
advanced database entry and management features, such as user-definable
field types, data validation **record** lookups, field-by-field help,
 querying the **database** by form, and generating reports. We awarded the
highest scores to products that let you create multirecord forms or forms
capableof accessing multiple databases. (The...

... that involve querying and updating several linked tables.) Import and
export: At a minimum, the product must be able to import and
ASCII-delimited data **file** into its own **database** or provide **read** and
 write support for one or more formats, such as dBase. The more formats
the product supports--such as Paradox, Btrieve, CA-Clipper, Lotus 1-2-3...

 14/3,K/48   **(Item 4 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00639733 92-54673
**A Catalog or a Reference Tool? Or, MELVYL's Exquisite Search Features You
Can't Know Until Someone Tells You**
Lipow, Anne Grodzins
Information Technology & Libraries v11n3 PP: 281-284 Sep 1992
ISSN: 0730-9295 JRNL CODE: JLA
WORD COUNT: 2324

...TEXT: retrieved at all.

SWITCHING DATABASES AND SAVE

THE FEATURE

The MELVYL system is made up of the catalog of UC books and, as of this
 writing , seven other **databases** (of which nonaffiliated remote users
have access to only PE (the periodicals database) and TEN (the
last-ten-years subset of the catalog database). (CURRENT CONTENTS, MEDLINE,
and an index to major newspapers are among the others.) The **same** **search**
 commands apply in all the **databases** , and it is easy to compile a
personal bibliography that consists of citations to books, journal titles,
and articles using the SAVE command in all of the relevant databases. You
just need to be careful how you **switch** from one database to the other,
or you might lose what you saved. There are three commands that **switch** to
another **database** : At the prompt, type the code for the **database** to
which you want to **switch** (e.g., CC for CURRENT CONTENTS, NEWS for the
newspaper file). At the prompt, type SET DB <database code>. At the prompt,
type START <database code>. Only the first two commands **switch** to the
designated **database** without ending your session in the current database.
What you saved will be erased if you **switch** to a **database** using the
START command. That is an important distinction when you are building a
bibliography (for later downloading to your PC) by accumulating citations

as...

•

14/3,K/49   (Item 5 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)

00457627 89-29414
Locally Loaded Databases in Arizona State University's Online Catalog Using the CARL System
Machovec, George S.
Information Technology & Libraries v8n2 PP: 161-171 Jun 1989
ISSN: 0730-9295 JRNL CODE: JLA

...ABSTRACT: installed by Arizona State University (ASU). CARL supports all the traditional functions of an integrated system and can act as a platform for creating or **loading** multiple **databases** . The major modules in CARL software include: 1. circulation, 2. bibliographic maintenance, 3. public access catalog, 4. serials control, 5. electronic mail, and 6. acquisitions. As each **database** is searchable in CARL with the **same search** software as the library's MARC bibliographic **database** , it is easy for users to **switch** between **databases** . To **load** a **database** into CARL, the **file** must be mapped into a MARC format. CARL supports full keyword searching and has 5 basic indexes: 1. name, 2. word, 3. title browse, 4...

14/3,K/50   (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01173877   CMP ACCESSION NUMBER: WIN19981001S0047
Rev Up NT - When NT grows sluggish, try these simple steps to eliminate bottlenecks and speed up performance.
John D. Ruley, Senior Technology Editor
WINDOWS MAGAZINE, 1998, n 910, PG195
PUBLICATION DATE: 981001
JOURNAL CODE: WIN   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Features
WORD COUNT: 4063

...   fast system components run, find a file of several megabytes and execute this command from the command line:

 copy YourFileNameHere stuff.dat /v

 This will **copy** your file to another **file** , called STUFF.DAT. The /v (verify) **switch** reads **file** data back in after it's **written** , forcing a high level of disk reads as well as writes. That activity causes a dramatic rise in the %Disk Time and Disk Bytes/sec...

14/3,K/51   (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01095019   CMP ACCESSION NUMBER: VAR19960615S0056
A Mirror For Every Desktop
Wendy Sisselman
VARBUSINESS, 1996, n 1210, PG139
PUBLICATION DATE: 960615
JOURNAL CODE: VAR   LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: VAR Shopper - A roundup of new products for resellers
WORD COUNT: 163

TEXT:

The AC- **Mirror** is an industry-standard, integrated **drive**
electronics (IDE) adapter designed to provide hardware disk monitoring
for DOS, Windows 3.x, 95 and NT, Novell, OS/2 and most Unix systems. The
hardware supports up to four IDE drives and delivers RAID 1 fault
tolerance to the desktop. While the board sets up to show a standard
drive , the AC- **Mirror** **writes** **duplicate** information to the **mirror**
drive (s). An installation program lets users select the primary **drive**
and **mirror** **drive** , select the **drive** where all **reads** are performed,
or **switch** the **drive** that is being **read** .

 14/3,K/52 **(Item 3 from file: 647)**
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01068816 CMP ACCESSION NUMBER: WIN19951101S0182
Make NT A Better Performer (Windows NT)
John D. Ruley
WINDOWS MAGAZINE, 1995, n 612, PG329
PUBLICATION DATE: 951101
JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: How To
WORD COUNT: 2454

... the command line execute this command: copy YourFileNameHere
stuff.dat /v
 This will make a duplicate of your file, named STUFF.DAT. The /v (
verify) **switch** will read **file** data back in after it's **written** ,
forcing a high level of disk reads as well as writes. You'll see this as a
dramatic rise in the % Disk Time and Disk...

...the value is going. To do this, select Options/Chart and start with 200
in the Vertical Maximum field. You may need to repeat the **file** **copy** a
few times before you have a feel for what's happening. You can also switch
back to the Graph view, which offers the advantage...

02144394   SUPPLIER NUMBER: 20205708   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Tiers without tears. (techniques for packaging database logic into
  components) (Technology Tutorial)(Column)(Tutorial)**
Spitzer, Tom
DBMS, v11, n2, p74(4)
Feb, 1998
DOCUMENT TYPE: Column Tutorial   ISSN: 1041-5173   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3408   LINE COUNT: 00267

...   client application. This allows me to develop and test the client
application against a test **database** and then **switch** the **database**
connection to a production **database** without affecting the user-interface
tier at all. It also makes the fact that the application is **reading** and
writing to multiple **databases** very transparent to the user-interface
tier, which is only interacting with objects. An associated...

02033287   SUPPLIER NUMBER: 19111542   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**RIDDLE OF THE SPHINX - HOW MICROSOFT COULD CHALLENGE HIGH-END DATABASE
  PLAYERS.**
Computergram International, n3099, pCGN02130006
Feb 13, 1997
ISSN: 0268-716X   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1219   LINE COUNT: 00094

...   eating their words, if not their hats. By Microsoft's own
reckoning, the company has **shifted** over two million units of its
relational **database** SQL Server. That's not to suggest that all two
million customers are actually using...

...Sphinx we will have full row locking. We'll do it for updates, deletes
and **reads** ." Given the fact that Microsoft's **database** was born out of
version 4.2 of Sybase's SQL Server, it's curious...

...and jointly developing the OS/2 operating system. To Microsoft's
surprise, IBM decided to **write** a full 'blood and guts' SQL **database** by
itself. The product, called OS/2 Database Manager, was to be the killer
application...
...take Microsoft's code down a different track from Sybase's. Microsoft is
rewriting its **database** 's **query** engine. At the end of last year,
Microsoft invested in on-line analytical processing technology...

01536946   SUPPLIER NUMBER: 12699269   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Claris has a little different approach. (FileMaker 2.0 data base package)
  (Script Manager) (Column)**
Michel, Steve
MacWEEK, v6, n34, p68(1)
Sept 28, 1992
DOCUMENT TYPE: Column   ISSN: 0892-8118   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 704   LINE COUNT: 00056

ABSTRACT: Claris Corp's FileMaker Pro 2.0 **data base** package offers an
unusual implementation for **writing** macros. FileMaker Pro's scripting is

different from other programs'. FileMaker allows users to select...

...perform sequentially. These tasks include many of the most common
operations, including the ability to **switch** between views, to sort **data
bases** , printing and **searching** for records. The most pertinent aspect of
this kind of scripting is that it provides...

23/3,K/4   (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01355637   SUPPLIER NUMBER: 08445306   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Integrated-software packages with a built-in programming language.
 (integrated software product table) (buyers guide)**
PC Week, v7, n19, p118(1)
May 14, 1990
DOCUMENT TYPE: buyers guide   ISSN: 0740-1604   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1376   LINE COUNT: 00132

...   statement, SQL database queries.
     Integration features: pastes spreadsheet and graphics into word-
processing files, automatic **update** , context **switching** .
     Table-linking; mail-merge: 255 **database** tables linked in one **query**
; mail merge included.
     Data formats imported/exp: Lotus 1-2-3, dBASE, ASCII, BASIC, DIF...

23/3,K/5   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04564930   Supplier Number: 54548111   (USE FORMAT 7 FOR FULLTEXT)
**XYLAN: Xylan reduces network complexity with second phase of Switched
 Network Services.**
M2 Presswire, pNA
May 4, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2063

...   Router, OmniSwitch, and OmniStack to provide support for
directory-based networking. The solution makes Xylan **switches** capable of
searching , retrieving, and **updating**   **database** entries using the

23/3,K/6   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

04172032   Supplier Number: 54631382   (USE FORMAT 7 FOR FULLTEXT)
XYLAN: Xylan adds intelligence to switched networks.
M2 Presswire, pNA
May 13, 1999
Language: English   Record Type: Fulltext   .
Document Type: Newswire; Trade
Word Count: 570

...   OmniSwitch, and OmniStack products to provide support for
directory-based networking. The solution makes Xylan **switches** capable of
searching , retrieving, and **updating**   **database** entries using the widely
accepted LDAP standard. Xylan can now communicate with a directory server
...

23/3,K/7   (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03456994   Supplier Number: 47123590 (USE FORMAT 7 FOR FULLTEXT)
**RIDDLE OF THE SPHINX - HOW MICROSOFT COULD CHALLENGE HIGH-END DATABASE
   PLAYERS**
Amos, Susan
Computergram International, n3099, pN/A
Feb 13, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1144

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...eating their words, if not their hats. By Microsoft's own reckoning, the
company has **shifted** over two million units of its relational **database**
SQL Server. That's not to suggest that all two million customers are
actually using...

...Sphinx we will have full row locking. We'll do it for updates, deletes
and **reads** ." Given the fact that Microsoft's **database** was born out of
version 4.2 of Sybase's SQL Server, it's curious...
...and jointly developing the OS/2 operating system. To Microsoft's
surprise, IBM decided to **write** a full 'blood and guts' SQL **database** by
itself. The product, called OS/2 Database Manager, was to be the killer
application...

...take Microsoft's code down a different track from Sybase's. Microsoft is
rewriting its **database** 's **query** engine. At the end of last year,
Microsoft invested in on-line analytical processing technology...

 23/3,K/8   (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03189773   Supplier Number: 46533755 (USE FORMAT 7 FOR FULLTEXT)
**FCC ADOPTS RULES ON TELEPHONE NUMBER PORTABILITY, PROHIBITS USE OF QUERY ON
   RELEASE AS LONG-TERM SOLUTION**
Advanced Intelligent Network News, v6, n14, pN/A
July 10, 1996
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1354

...   A database stores switch information for each number. If a customer
changes service providers, the **database** is **updated** with the new **switch**
 information. **Query** on release differs from LRN in its reliance on
incumbent carrier equipment. Under the query...

...s original carrier. If the dialed number has been transfered to a
different carrier's **switch** , then a **database** **query** is initiated.
     Daley noted that although it is true that query on release would
increase...

 23/3,K/9   (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01787117   Supplier Number: 42989949 (USE FORMAT 7 FOR FULLTEXT)
S&P EASES ACCESS TO CORPORATE FINANCIAL DATA ON CD-ROM
Optical Memory News, n111, pN/A
May 12, 1992
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 689

`... criteria from fast-access pop-up menus. The command mode lets users
search using Dialog **search** strings. **Switching** among the three
databases is facile.

Updated compact discs are mailed via courier on a bi-monthly basis
with the latest developments...

 23/3,K/10   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07185501   Supplier Number: 61374994 (USE FORMAT 7 FOR FULLTEXT)
NO MORE DISKS: Investment management software on web.
Barreto, Susan
Pensions & Investments, v28, p3
April 3, 2000
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1353

...   retrieving database information from the browser. "It's like a
desktop application, but will do **queries** on the **database** on the
Internet," he said. Making the **switch** to online software will mean a
savings in cost and time for plan sponsors and...

...give a timeframe for a web-based software product. A new version of its
M- **Search** money manager **database** and analytical software is available on
eFrontiers.com, with a future version to include online **database** **update**
capability within the next couple of quarters, Mr. Padgette said. The
future browser-based version...

 23/3,K/11   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

14309507   SUPPLIER NUMBER: 82756666   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Leveraging Technology Partnerships, Part Two: Continuing the story of how
  one PACS provider remade its product offering into web-based services.
  (SDK).**
Eggleston, Peter
Advanced Imaging, 17, 1, 42(3)
Jan, 2002
ISSN: 1042-0711   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1745   LINE COUNT: 00141

...   in all the copies.
      Finally, there is the issue of fail-over--how to automatically
switch to a standby, backup **database** , sewer or network if the primary
system fails or is down for any reason such...

...the implementation of this feature, eMed employs a warm back-up scheme
whereby data is **written** to, but not **read** from, an identical **database**
as it is created and modified, a concept called mirroring. Mirroring
capabilities also give eMed...

 23/3,K/12   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10484469   SUPPLIER NUMBER: 21167731   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Salvage Planning for Your New Database.
Perez, Ernest
Database, v21, n5, p75(1)
Oct-Nov, 1998
ISSN: 0162-4105   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 2376   LINE COUNT: 00191

TEXT:
    ...database trapped inside, for example, a CPM application. It's also
nice to have a **database** with a report- **writer** function that allows data
export using custom-designed formats, user-designed field tags, along with
...low-end approach. * ODBC-compliant products: A relatively new approach.
This jargon acronym means Open **Database** Connectivity. ODBC is analogous
to the **search** engine Z39.50 approach, which also allows **database**
products to access and even handle datafiles created by other products.
Modern database products increasingly...

...compliant is another frequently-supported database protocol. The easiest
approach might be to purchase or **switch** to a preferred new **database**
product that can handle and possibly convert your existing data file under
an ODBC function. You are hopefully adding new features or power by
switching to any new **database** software. You might even use an
intermediary database to add the ODBC or SQL feature...

...many word processor proprietary format files. It additionally offers
free-text and field-specific Boolean **searching** of ODBC- compliant
database proprietary format files. You could, for example, use DTSearch to
provide Web access to database...

   23/3,K/13   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09817406   SUPPLIER NUMBER: 19850168   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Union Lists of Periodicals database added to OCLC's FirstSearch,
   enhancements noted.
Information Today, v14, n9, p61(1)
Oct, 1997
ISSN: 8755-6286   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 1068   LINE COUNT: 00093

...   the beginning," said Sullivan. "We plan to make the information in
the OCLC Union Lists **database** **readily** available from within other
databases on FirstSearch, so that library users can see what their library
owns without having to **switch** files."
        Updated semiannually, the OCLC Union Lists **database** will look and
function like any other FirstSearch database. By giving copy- and volume-
specific...

   23/3,K/14   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07811318   SUPPLIER NUMBER: 16825836   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mainframe RAID must match your app needs. (direct-access storage devices)
   (includes executive summary)(Evaluation)
Darling, Charles B.
Datamation, v41, n5, p65(3)
March 15, 1995
DOCUMENT TYPE: Evaluation   ISSN: 1062-8363   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1814   LINE COUNT: 00138

...ABSTRACT: log file and roll-forward recovery features. Some companies
are designing their critical applications to **read** once, **write** twice and
automatically **switch** **databases** in response to failures. RAID depends on
the fact that two disks will almost never...
...   roll-forward recovery features. Or, like one large Canadian bank,
design your critical applications to **read** once, **write** twice, and
dynamically **switch** **databases** in the event of a failure.
        Vendors' contributions to the availability battle come in many...

23/3,K/15   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06508546   SUPPLIER NUMBER: 14384247   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**NJ Bell answers call for help with a unique E-911 system. (New Jersey Bell
   Telephone Co.)**
Depaola, John
Telephony, v224, n2, p36(2)
Jan 11, 1993
ISSN: 0040-2656   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1102   LINE COUNT: 00084

...   then send updates to the three SCXs over the same circuits that are
used to **query** the ALI **database** .
      The statewide network, the SCX **switches** and the DCSs, already have
been installed. The database has been loaded, and five of...

23/3,K/16   (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06392850   SUPPLIER NUMBER: 13438719   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**More than virtual: today's intelligent network. (includes related articles)
   (MCI's Intelligent Network)(special advertising supplement)**
Wagar, Barry
Business Communications Review, v23, n1, pS3(9)
Jan, 1993
ISSN: 0162-3885   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 7889   LINE COUNT: 00643

...   various call centers on a percentage basis.
      All routing criteria are stored in public network **databases** . When a .
 switch receives a call, it **queries** the **database** to determine proper
routing. Through an on-premises terminal, subscribers can **update** the
exchange carrier's **database** to change the routing plan in real time, or
they can request that the carrier...

23/3,K/17   (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06197155   SUPPLIER NUMBER: 12439290   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Isys update makes text retrieval simple; 3.0's speed and ease-of-use
   improvements overshadow minor performance shortfalls. (Software Review)
   (Isys 3.0 text-retrieval software from Odyssey Development) (Evaluation)**
Marshall, Patrick
InfoWorld, v14, n30, p80(3)
July 27, 1992
DOCUMENT TYPE: Evaluation   ISSN: 0199-6649   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2439   LINE COUNT: 00225

...   you want to reuse search arguments in future sessions, you can
store them in a **search** catalog.
      A new **database** catalog makes it a snap to **switch**   **databases** on
the fly, and navigating directories is easier now that Isys has adopted
directory trees in its scroll boxes. The auditing feature makes life easier
for network administrators, and the **query** -by-concept tool simplifies
databases for end-users. Isys lets you interrupt indexing and search
operations without losing data, then return to where you left off. Network
users can now **query** the **database** even when it is performing an **update**
.
      A couple of Isys' new features suffer from minor complications. A bug
prevented Isys from...

23/3,K/18   (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05086166   SUPPLIER NUMBER: 09339162   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managing tools profitably. (Emphasis: Cutting Tools)
Beard, Tom
Modern Machine Shop, v63, n8, p66(9)
Jan, 1991
ISSN: 0026-8003   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 2200   LINE COUNT: 00164

...   code reader is a portable device, the transaction will not be
entered into the system **database** until the **reader** memory is downloaded
to the personal computer. The reader, which can store up to 2...

...be downloaded after each transaction; it's a simple procedure. But for
BethForge's purposes, **updating** the **database** two to three times a **shift**
is more than sufficient.
     This overall ease of use plays a more significant role than...

23/3,K/19   (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

04521104   SUPPLIER NUMBER: 08360305   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Local online: the genie is out of the bottle. (part 2) (includes related
   information)**
O'Leary, Mick
Online, v14, n2, p27(7)
March, 1990
ISSN: 0146-5422   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 4864   LINE COUNT: 00393

...   which the local online version does not cover. The migration
phenomenon discussed in Part 1 **shifts**   **searching** from local online
databases to others which are only available on databanks.
     Help for Librarians
     Professional education has proven...

23/3,K/20   (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

03004125   SUPPLIER NUMBER: 04545095   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**The Bell operating companies to offer new telephone system called
   "Intelligent Network."**
PR Newswire, NYPR27
Dec 2, 1986
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 814   LINE COUNT: 00066

...   contain all sorts of special call handling information. Rather, it
only needs to send a **query** to the **data**   **base** . Therefore, changing or
adding a service could mean simply changing or adding information to the
data   **base** , rather than **updating** hundreds of **switches** ," Robrock said.
     "What the intelligent network means for the BOCs is savings and speed
in...

23/3,K/21   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

...TEXT: suggests that these are the clients most likely to be picked off
by the direct **writers** .

Search the **database** and establish the **shifting** patterns of your
client base which could present opportunities as well as recognising areas
of...

23/3,K/22   (Item 1 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

092062
Oracle releases disaster recovery software
Byline: James Niccolai
Journal: Network World
Publication Date: March 07, 2001
Word Count: 872   Line Count: 77

Text:
...maintain a "physical standby" database, which contains the same data as
a company's primary **database** but can be used only for **read** -only
operations. Only the version of Data Guard that will ship with Oracle 9i
supports the maintenance of a "logical standby" **database** , or one that
supports both **read** and **write** access. One analyst said that's a
significant drawback. "It's the logical capability that...

... still a valuable tool, primarily because it automates many of the
time-consuming steps that **database** administrators must take to **switch**
 over to the standby **database** , Demarest said. Oracle's existing tool for
maintaining a standby database requires administrators to perform as many
as 20 manual steps in order to **switch** to the back-up **database** , he said.
"Data Guard provides a sort of push-button interface for managing that
remote...

23/3,K/23   (Item 2 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

049387
Notes 4-bagger
Moving to Client/Server Messaging
**With the game on the line and Microsoft Corp. hurling fastballs from the
    mound, IBM's newly acquired Lotus Development Corp. has blasted a
    towering home run with Notes Release 4. This major release expands on
    almost all Notes Release 3 features, while adding countless others.
    The result is and enterprisewide groupware, messaging and development
    environment with built-in ties to the Internet.**
Byline: Steven Goldberg
Journal: Network World   Page Number: 51
Publication Date: January 22, 1996
Word Count: 2479   Line Count: 222

Text:
... a column width back and forth, for instance, without having
designer-level access to the **database** . The **switch** to folders and panes
fulfills a key Lotus goal: a homogeneous interface for Notes Mail...

... users can employ a relatively simple interface to create agents that
automate many tasks, from **searching** **databases** on servers to deleting

, ʹmail messages from a specified user. There are several canned agents...

* ...access to all servers in a Notes network. User and group administration, ad-dress book **updates** , certification additions and changes, and **database** maintenance are some of the functions that can be administered via the Administrator Control ...so they are not necessarily accurate. In Release 3, anyone with access to a local **database** could **read** the data in it, despite any ACLs that would prevent this on a Notes server...

23/3,K/24   (Item 3 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

046440
Move to distributed computing models puts database spotlight on net managers
DISTRIBUTED COMPUTING
Byline: John R. Rymer
Journal: Network World   Page Number: 52
Publication Date: August 28, 1995
Word Count: 858   Line Count: 84

Text:
... for network managers. It will mean that the burden of data integrity and reliability will **shift** from **database** administrators to network managers. It also will force network managers to look beyond their current
...

... Both have had a big effect on performance. The first problem is that today's **database** servers coordinate interactions by **reading** and **writing** data to disk. All interactions, in other words, require persistent transactions. This is overkill for...

23/3,K/25   (Item 4 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

042416
Client/server a blockbuster in Tinseltown
Byline: Barb Cole
Journal: Network World   Page Number: 1
Publication Date: February 13, 1995
Word Count: 692   Line Count: 63

Text:
... automatically to users when they dial in, but customers will also be able to further **query** the **read** -only **database** at their discretion. The system will enable these users, whose careers may hinge on theater...

... system. First, EDI is using data replication – a feature that is built into the Informix **database** – to **update** two other **databases** that are kept in offices in London and Munich, Germany. In the event that the main server here crashes, EDI could **switch** over to either European **database** with little consequence, Huber explained. Currently, data is replicated nightly, but eventually, EDI will exploit...

23/3,K/26   (Item 5 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

042300
Firm to build database for updated ISDN information
Source will detail rates, vendors and service availability.
Byline: Tim Greene
Journal: Network World   Page Number: 24

Publication Date: February 06, 1995
Word Count: 297   Line Count: 28

Text:
... service availability information that is scheduled to go on-line in early April. The National **Switched** Digital Services **Database** will be **updated** as frequently as each week and available to users 24 hours a day via the...

... service availability according to area code and local exchange numbers or central office codes. The **database** will allow **searches** by local access and transport area, state and region, as well as provide rate data ...

... and the names and phone numbers of vendor contacts will be provided. Commissioned by the **Switched** Digital Services Applications Forum (SDSAF), the **database** will be supplemented by off-line availability of state, regional and national data in the...

23/3,K/27   (Item 6 from file: 674)
DIALOG(R)File 674:Computer News Fulltext
(c) 2003 IDG Communications. All rts. reserv.

035713
WordPerfect eyes open Office
Company puts common interface on long-term agenda
Byline: Lynda Radosevich
Journal: Computerworld   Page Number: 6
Publication Date: February 28, 1994
Word Count: 737   Line Count: 72

Text:
... been able to opt for a ``partial client/server option'' in which the client can **read** the message **database** but cannot **write** to it, **shifting** much of the processing to the server.

23/3,K/28   (Item 1 from file: 610)
DIALOG(R)File 610:Business Wire
(c) 2003 Business Wire. All rts. reserv.

00038677 19990503123B0214 (USE FORMAT 7 FOR FULLTEXT)
Xylan Reduces Network Complexity With Second Phase of Switched Network Services
Business Wire
Monday, May 3, 1999 11:29 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 2,173

...Router, OmniSwitch and OmniStack to provide
support for directory-based networking. The solution makes Xylan
switches capable of **searching** , retrieving and **updating** database
entries
using the widely accepted LDAP standard.

```
File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)
          (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200368
          (c) 2003  Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2003/Oct W03
          (c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20031016,UT=20031009
          (c) 2003 WIPO/Univentio

Set      Items    Description
S1          61    AU=GORELIK A?
S2           6    AU=BURDA L?
S3           2    S1:S2 AND SWITCH?(5N)DATABASE? ?
```

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014057371   **Image available**
WPI Acc No: 2001-541584/200160
XRPX Acc No: N01-402513
Computing system for database **management,has router** switcher **that**
switches   database **indicator to transform live** database **into load**
database and load database into live database
Patent Assignee: ACTA TECHNOLOGIES INC (ACTA-N); BURDA L (BURD-I); GORELIK
  A (GORE-I)
Inventor: **BURDA L ; GORELIK A**
Number of Countries: 095 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200159628	A1	20010816	WO 2001US4699	A	20010212	200160	B
AU 200135016	A	20010820	AU 200135016	A	20010212	200175	
US 20020004799	A1	20020110	US 2000182087	P	20000211	200208	
			US 2001782178	A	20010212		
EP 1275061	A1	20030115	EP 2001907213	A	20010212	200306	
			WO 2001US4699	A	20010212		

Priority Applications (No Type Date): US 2000182087 P 20000211; US
  2001782178 A 20010212
Patent Details:

Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200159628 A1 E   19 G06F-017/30
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200135016 A   G06F-017/30   Based on patent WO 200159628
US 20020004799 A1   G06F-017/30   Provisional application US 2000182087

EP 1275061   A1 E   G06F-017/30   Based on patent WO 200159628
    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): WO 200159628 A1
        NOVELTY - A router **switcher** **switches** a **database** indicator to
    transform a live database into a load database and a load database into
    a live database. A query router (14) routes the queries from an
    application (10) to the live database. The database indicator indicates
    if the database (12A,12B) is a load database or a live database.
        DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a
    consistent information providing method.
        USE - For database management.
        ADVANTAGE - Enables loading of data into database without affecting
    availability, performance or consistency of data to application.
    Maintains consistency of data.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a
    high availability system.
        Application (10)
        Database (12A,12B)
        Query router (14)
        pp; 19 DwgNo 1/7
Title Terms: COMPUTATION; SYSTEM; DATABASE; MANAGEMENT; ROUTER; SWITCH;
  SWITCH; DATABASE; INDICATE; TRANSFORM; LIVE; DATABASE; LOAD; DATABASE;
  LOAD; DATABASE; LIVE; DATABASE
Derwent Class: T01
International Patent Class (Main): G06F-017/30
File Segment: EPI

00826092   **Image available**
HIGH AVAILABILITY DATABASE SYSTEM USING LIVE/LOAD DATABASE COPIES
SYSTEME DE BASES DE DONNEES A GRANDE DISPONIBILITE, UTILISANT DES COPIES DE BASES DE DONNEES COURANTES/DE CHARGEMENT
Patent Applicant/Assignee:
  ACTA TECHNOLOGIES INC, 1667 Plymouth Street, Mountain View, CA 94043, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  GORELIK Alexander , 44153 Boitano Drive, Fremont, CA 94539, US, US (Residence), US (Nationality), (Designated only for: US)
  BURDA Leon , 22206 Quinterno Court, Cupertino, CA 95014, US, US (Residence), US (Nationality), (Designated only for: US
Legal Representative:
  ALBERT Philip H (et al) (agent), Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200159628 A1 20010816 (WO 0159628)
  Application: WO 2001US4699 20010212 (PCT/WO US0104699)
  Priority Application: US 2000182087 20000211
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 4712

English Abstract
  In a computing system, wherein applications access databases to obtain data and the databases are updated from time to time and the applications require consistent data from the databases even while an update is occurring, a first database (12A); a second database (12B), wherein the first database and second database are substantive copies of each other outside of an update period; a control manager (18) indicates to an update router (16) and a query router (14) which of the databases is the live database and which is the load database. The query router (14) routes queries from applications (10) to the live database.

```
File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)
        (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200368
        (c) 2003  Thomson Derwent

Set     Items    Description
S1    2493946    DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR FILE? ? OR
                 RECORD? ? OR DRIVE OR STORAGE OR VOLUME? ?
S2      58349    (FIRST? OR PRIMARY OR MAIN OR ACTIVE OR LIVE)(5W)S1
S3      59362    (SECOND? OR 2ND OR TWO)(5W)S1
S4        442    S2(5N)S3(5N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR -
                 REPRODUC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S5      81460    (QUERY??? OR QUERIE? ? OR SEARCH??? OR READ???)(7N)S1
S6     149859    (WRIT??? OR INSERT??? OR UPDAT? OR CHANG??? OR MODIF???? OR
                 MODIFICATION? ? OR EDIT??? OR AMEND??? OR LOAD???)(7N)S1
S7      63600    S1(5N)(SWITCH??? OR TOGGL??? OR FLIP???? OR SHIFT??? OR EX-
                 CHANG? OR SWAP????)
S8          2    S4 AND S5 AND S6 AND S7
S9      68069    S1(7N)(COPY OR COPIE? ? OR DUPLICAT? OR REPLICA? OR REPROD-
                 UC? OR SAME OR IDENTICAL? OR MIRROR? OR CLON???)
S10         4    S9 AND S2 AND S3 AND S5 AND S6 AND S7
S11        58    S9 AND S5 AND S6 AND S7
S12        89    S9 AND S2 AND S3 AND S7
S13        58    S8 OR S10:S11
S14        85    S12 NOT S13
S15        27    S14 AND IC=G06F
S16        58    S14 NOT S15
```

`13/5/7     (Item 7 from file: 347)`
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

06195122   **Image available**
STILL IMAGE REPRODUCING DEVICE

```
PUB. NO.:      11-136676  [JP 11136676  A]
PUBLISHED:     May 21, 1999 (19990521)
INVENTOR(s):   KAMIYA AKIYOSHI
APPLICANT(s):  MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.:     10-208367  [JP 98208367]
FILED:         July 23, 1998 (19980723)
PRIORITY:      09235087 [JP 979235087], JP (Japan), August 29, 1997
               (19970829)
INTL CLASS:    H04N-007/24; H04N-007/08; H04N-007/081
```

ABSTRACT
PROBLEM TO BE SOLVED: To provide a still image reproducing device where a
function of a moving image reproduction device is expanded and by which
required still image information (still image information or the like
selected by a viewer) is displayed without black-out among received still
image information sets.

SOLUTION: A display frame selection section 113 selects only frame data to
be reproduced. A display data management section 1604 writes only display
data that are received, decoded and are to be **reproduced** to a **storage**
area of a display data storage section 1605. The display data management
section 1604 and a display control section 1606 are coordinated via a
header information **storage** section 1608 to execute **toggle** processing
for the display data **storage** section 1605, while the display data
management section 1604 **writes** the decoded frame data to an available
 storage area IP. The display control section 1606 keeps **reading** display
data from the **storage** area IP to which **write** is completed till write of
display data to be reproduced next is finished, and a display section 1607
keeps displaying the display data.

`13/5/8     (Item 8 from file: 347)`
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05964976   **Image available**
METHOD FOR TAKEOVER OF DATA FOR **UPDATED**   **FILE**

```
PUB. NO.:      10-248076  [JP 10248076  A]
PUBLISHED:     September 14, 1998 (19980914)
INVENTOR(s):   KOIZUMI KAZUNORI
               TOYODA MASAYUKI
               SUZUKI MASAMI
               KUWABARA HIROSHI
               OTSUBO YASURO
               FUJISHIMA RYUTARO
               HONDA TORU
               IMAMURA KAZUHIKO
APPLICANT(s):  FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
               (Japan)
               NIPPON TELEGR & TELEPH CORP <NTT> [000422] (A Japanese
               Company or Corporation), JP (Japan)
APPL. NO.:     09-050042  [JP 9750042]
FILED:         March 05, 1997 (19970305)
INTL CLASS:    [6] H04Q-003/545
JAPIO CLASS:   44.4 (COMMUNICATION -- Telephone)
JAPIO KEYWORD:R138 (APPLIED ELECTRONICS -- Vertical Magnetic &
               Photomagnetic Recording)
```

ABSTRACT

PROBLEM TO BE SOLVED: To realize takeover of data through **update** of **files** at once in the data takeover method in the case of **updating** the **files** in **duplicate** electronic **exchanges** .

SOLUTION: After loading a new filter to a memory of an exchange 2 in a cold standby side, an active **exchange** 1 processes old **files** to **read** data management information for the new **file** externally and writes the information to the new **file** the **exchange** 2. The active/cold standby the exchanges 1, 2 are replaced with each other and **file** **update** is restarted, the active exchange 2 processes the new **file** to **read** data management information of the old **file** from the old **file** of the **change** 2 in the cold standby state and generates a new old data cross reference list based on the data management information for the old file and the data management information for the new **file** and **writes** the list to the new **file** and then data take over from the old **file** of the cold standby **exchange** 1 to the new **file** of the active **exchange** 2 is executed based on the new old data cross reference list.

 13/5/9   (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
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05659741   **Image available**
 STORAGE DEVICE, CONTROL METHOD FOR THE **SAME** , **STORAGE** SYSTEM AND CONTROL METHOD FOR THE **SAME**

PUB. NO.:   09-274541 [JP 9274541 A]
PUBLISHED: October 21, 1997 (19971021)
INVENTOR(s):   INOUE ATSUSHI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   08-085533 [JP 9685533]
FILED: April 08, 1996 (19960408)
INTL CLASS: [6] G06F-003/06; G06F-003/06; G06F-003/06
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &
               Microprocessers); R138 (APPLIED ELECTRONICS -- Vertical
               Magnetic & Photomagnetic Recording)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a recorder with which the occurrence of any defect of all storage areas provided in a storage device can be accurately and automatically detected and predicted and the storage area causing the defect can be automatically **exchanged** with the other **storage** area.

SOLUTION: Concerning a storage device 1 provided with a storage medium, the defect of any **storage** area is checked by successively **reading** and **writing** data over all the **storage** areas consisting of the storage medium while using a defect check program 3a in a memory 3. When an error caused by the check is a retry enabled error, the number of times of that generation is accumulated in a retry time storage area 3b inside the memory 3. Based on the contents of the error caused by the check or the accumulated number of times of occurrence, the defective part of the storage area is detected.

 13/5/11   (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO
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05108357   **Image available**
LIBRARY APPARATUS AND ACCESSING FREQUENCY CONTROLLING METHOD OF THE APPARATUS

PUB. NO.:   08-063857 [JP 8063857 A]

ABSTRACT

PURPOSE: To provide a library apparatus and a method for controlling an
accessing   frequency   of   the   library   apparatus   whereby   an   accessing
efficiency   is   improved   and   an   accessing   frequency difference due to a
required memory capacity is surely preserved.

CONSTITUTION: The apparatus is constituted of a plurality of **exchangeable**
recording media 5, a **drive** 1 for **reading / writing files** to the
recording media 5, a **storage** 3 having a plurality of storing areas 6 for
storing the recording media 5, a hand 4 for automatically exchanging the
recording medium 5 in the drive 1, and an access controller 2 for
controlling the hand 4 and the drive 1 and also controlling an accessing
frequency. In switching a storing position for the recording medium 5 in
the storage 3 in accordance with the accessing frequency of the medium 5,
files to be recorded to the recording medium 5 are classified into N groups
(N >= integer of 2) in accordance with a required memory capacity, and only
files classified into the **same** group are recorded to the same recording
medium 5.

 13/5/13   (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO
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04929504   **Image available**
VIDEO REPRODUCING DEVICE

                         ABSTRACT

PURPOSE: To obtain a video reproducing device in which a video image is not
interrupted   even   when   a   storage device is replaced with other while the
video image is being reproduced.

CONSTITUTION: Plural **drive** units 10, 12 of this video **reproducing**
device read video data from a CDROM 11 storing a video image and transfer
the data to a video data expansion circuit 18. However, when a **drive** unit
is **switched** while the video data are transferred to the video data
expansion circuit 18 and any of the plural drive units 10, 12 is being

selected with each other, before a CPU 2 finishes the transfer of the video
data from the CDROM 11 **read** at present, the CPU 2 allows succeeding
drive units 10, 12 to prepare the **read** / transfer of the video data.
Thus, even when the **drive** units are **changed** over during **reproduction**
of the video image, the video image is not interrupted and the video image
reproduction most suitable for a background video BGV or the like is
realized.

13/5/14   (Item 14 from file: 347)
DIALOG(R)File 347:JAPIO
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04868576   **Image available**
DATA-RECORDING/REPRODUCING APPARATUS

PUB. NO.:   07-161176 [JP 7161176 A]
PUBLISHED: June 23, 1995 (19950623)
INVENTOR(s):   HOSAKA NAOKI
APPLICANT(s):   OLYMPUS OPTICAL CO LTD [000037] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:   05-305519 [JP 93305519]
FILED: December 06, 1993 (19931206)
INTL CLASS: [6] G11B-027/00; G11B-007/00; G11B-020/12
JAPIO CLASS: 42.5 (ELECTRONICS -- Equipment)
JAPIO KEYWORD:R102 (APPLIED ELECTRONICS -- Video Disk Recorders, VDR); R131
                (INFORMATION PROCESSING -- Microcomputers & Microprocessers)

ABSTRACT
PURPOSE: To **record / reproduce** directories of different sector sizes by
providing and **switching** to use two kinds of **record** controllers.

CONSTITUTION: Record controllers 28, 29 use different sector types to
record directories. After transferring physical track addresses, sector
addresses and sector types to a **read** / **write** part 25, the **record**
controllers 28, 29 transfer data and confirm the presence/absence of errors
at a write time, or receive data and confirm the presence/absence of errors
at a read time. A sector-switching device 30 controls a directory size
detector 26 and a directory size-switching device 27 in accordance with
section selection data or a sector type input from an external device. The
directory size detector 26 outputs a section to be used to the read/write
part 25, and the switching device 27 outputs **write** data to the **record**
 controller 28 or 29 corresponding to the selected sector type.

13/5/16   (Item 16 from file: 347)
DIALOG(R)File 347:JAPIO
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04266079   **Image available**
MULTIPLEX **FILE SWITCHING** SYSTEM

PUB. NO.:   05-257779 [JP 5257779 A]
PUBLISHED: October 08, 1993 (19931008)
INVENTOR(s):   SAITO MASAYUKI
APPLICANT(s):   TOHOKU NIPPON DENKI SOFTWARE KK [000000] (A Japanese Company
                or Corporation), JP (Japan)
APPL. NO.:   04-055900 [JP 9255900]
FILED: March 16, 1992 (19920316)
INTL CLASS: [5] G06F-012/00
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 1675, Vol. 18, No. 24, Pg. 25,
                January 14, 1994 (19940114)

ABSTRACT
PURPOSE: To improve processing efficiency by providing a managing table for
multiple files making a logical file corresponding to plural physical
 files , and processing data while alternately **switching** and controlling

the corresponding **files** .
CONSTITUTION: This system is provided with the multiple files making one
logical file corresponding to plural physical files A-D, multiple file
managing table 2 to manage the relation of correspondence between the
logical file and the physical **files** , physical **file** **switching** part 3,
and logical **file** access part 1. According to the multiple file managing
table 2, the physical **file** **switching** part 3 alternately **switches** and
controls the respective physical **files** A-D corresponding to the logical
file by a request from a user program and the logical **file** access part 1
writes data in the **switched** logical **file** and **reads** data from the
logical **file** . Therefore, it is not necessary to interrupt the read
processing even at the time of a **copy** processing in the case of
switching the **files** , and the processing is made efficient.

13/5/17 **(Item 17 from file: 347)**
DIALOG(R)File 347:JAPIO
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04258407 **Image available**
RECORDING MEDIUM

PUB. NO.:   05-250107 [JP 5250107 A]
PUBLISHED: September 28, 1993 (19930928)
INVENTOR(s):   YAMAZAKI SHUNPEI
APPLICANT(s):   SEMICONDUCTOR ENERGY LAB CO LTD [470730] (A Japanese Company
                or Corporation), JP (Japan)
APPL. NO.:   04-225069 [JP 92225069]
FILED: July 31, 1992 (19920731)
INTL CLASS: [5] G06F-003/08; G06F-003/147; G09F-009/00
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 42.5
                (ELECTRONICS -- Equipment); 44.9 (COMMUNICATION -- Other)
JAPIO KEYWORD: R096 (ELECTRONIC MATERIALS -- Glass Conductors); R131
                (INFORMATION PROCESSING -- Microcomputers & Microprocessers)
JOURNAL: Section: P, Section No. 1671, Vol. 18, No. 11, Pg. 86,
                January 10, 1994 (19940110)

ABSTRACT
PURPOSE: To provide a compact and light-weight display device which
contains a book function by adding a ROM and a RAM to a single disk serving
as a recording medium.

CONSTITUTION: A ROM and a RAM are provided on a single disk as a unified
compact disk 30. That is, a 1st external **storage** medium 11 (ROM for **read**
only) consisting of a compact disk is provided together with a 2nd
external **storage** medium 11' (RAM for both **write** and **read**). Therefore
one of both reproducing devices 12 is identical with a reflecting ROM type
reproducing device consisting of an optical system 13 and a light
emitting/receiving system. Meanwhile the other device 12 is **identical**
with a RAM type **storage** **reproducing** device 12' consisting of a
magnetic head 15 and a driving system 16. Furthermore a display part is
added to show the information on those storage media as the visual
detection information. Thus it is possible to secure the information on the
books recorded in a disk just by using a single display device having such
preceding function, i.e., a single **reproducing** device and also using
plural data **files** which are **exchanged** with each other.

13/5/18 **(Item 18 from file: 347)**
DIALOG(R)File 347:JAPIO
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04252560 **Image available**
DUPLICATE OPERATING SYSTEM BY **SWITCHING** EXTERNAL **STORAGE** DEVICE

PUB. NO.:   05-244260 [JP 5244260 A]
PUBLISHED: September 21, 1993 (19930921)
INVENTOR(s):   SANO NARIYUKI

                    KOMATSU KATSUYUKI
                    MIZUTANI TAKASHI
                    ARAI KAZUNORI
                    HORIE YASUYUKI

                              ABSTRACT
PURPOSE: To execute the transfer of operation information between an active
(ACT) system and a standby (SBY) system through changeover of an external
 storage device in common between **duplicate** systems with respect to an
exchange control system adopting duplicate configuration to warrant
uninterruptible operation.

CONSTITUTION: The system is provided with the ACT 1, the SBY 2, an external
storage device 3 having an area used to store data requiring common share
between the systems 1, 2, and a changeover switch 4 switching the
connection system of the external storage device 3 and the active system 1
gives a command of transfer data and **write** to the external **storage**
device 3. The SBY system 2 implements connection monitor of the external
storage device 3. When the transfer of information to the SBY system 2 is
required, after the content is **written** to the external **storage** device
3, the SBY system 2 is selected and when the SBY system 2 detects the
connection, the state in the system 2 and the processing command in the
external storage device 3 are analyzed to decide and execute the processing
and the executed result is described in the external **storage** device 3.
The ACT system 1 **reads** the information required for its system 1 from the
external storage device 3 after a prescribed timing to acquire the
information.

   13/5/19   (Item 19 from file: 347)

04174031   **Image available**
DUPLEX STORAGE DEVICE

                              ABSTRACT
PURPOSE: To eliminate the need of transferring data as duplex and to
shorten time required for duplex by simultaneously writing data as duplex
and writing data as originally.

CONSTITUTION: When a control processor 1 outputs a mode control signal 10 to a transfer mode setting circuit 5, the circuit 5 outputs the transfer mode signal 11 of a regular mode signal or a duplex mode signal to switching circuits 6 and 7. When the transfer mode signal 11 is the duplex mode signal, the **switching** circuit 6 inputting main **storage** selection signals 19 and 20 from an address decoder 4 outputs the main storage selection signal 19 inputted to a terminal B to a main storage circuit 3 as a main **storage** selection signal. That is, the **same** main **storage** selection signal 21 is outputted to the main storage circuit 2 and 3, and the main **storage** circuits 2 and 3 operate as the same main **storage** space on **writing** . A **read** signal 14 for the main **storage** circuit 3 is inhibited on **reading** , and **reading** from the main **storage** circuit 2 is executed.

   13/5/20   (Item 20 from file: 347)
DIALOG(R)File 347:JAPIO
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04062230   **Image available**
COPY DATA WRITE CONTROLLER

PUB. NO.:   05-053930 [JP 5053930 A]
PUBLISHED: March 05, 1993 (19930305)
INVENTOR(s):   KONO SHINICHIRO
               KONO KENJI
               OKAMOTO HAJIME
               KAWANISHI SEIJI
               KIYOSUGI HIROSHI
               YAMAZAKI HIROSHI
               FUKAI HISATOKU
APPLICANT(s): HITACHI BUILDING SYST ENG & SERVICE CO LTD [457860] (A
               Japanese Company or Corporation), JP (Japan)
APPL. NO.:   03-242469 [JP 91242469]
FILED: August 29, 1991 (19910829)
INTL CLASS: [5] G06F-012/16; G06F-011/16; G06F-011/30; G11B-019/02;
               G11B-020/10
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 23.1 (ATOMIC
               POWER -- General); 26.9 (TRANSPORTATION -- Other); 42.5
               (ELECTRONICS -- Equipment); 45.1 (INFORMATION PROCESSING --
               Arithmetic Sequence Units)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &
               Microprocessers)
JOURNAL: Section: P, Section No. 1570, Vol. 17, No. 363, Pg. 131, July
               08, 1993 (19930708)

ABSTRACT
PURPOSE: To provide the copy data write controller which can store data to be stored in a first device in a second device as well almost simultaneously as copy data.

CONSTITUTION: This device is equipped with an address register 31, data register 32 to store address signals and data signals from the first device, operation **copy** data **storage** part connected through **switching** elements 36-38 to these registers, and address discriminating device 34 to decide whether the address signal from the second device is a specified address signal or not and to switch the switching elements 36-38 so that the data of the operation **copy** data **storage** part can be **read** by the second device when the address signal is the specified address signal or that the data of the address register 31 and the data register 32 can be **written** in the operation **copy** data **storage** part when the address signal is not the specified address signal.

   13/5/21   (Item 21 from file: 347)
DIALOG(R)File 347:JAPIO
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03356145   **Image available**
FILE BACK-UP SYSTEM FOR STORAGE DEVICE

ABSTRACT
PURPOSE: To attain a highly reliable operation in the **file** back-up system
by **changing** a back-up **file** into a **file** and at the **same** time
producing a new back-up **file** to store it in a file storing area having a
lower degree of importance if a **read** error is detected when a **file** of a
high degree of importance is **read** out.

CONSTITUTION: A back-up file Fb(1) is held in a storage device 1 only for a
prescribed file F(1) having a high degree of importance. At the same time,
a relation reference table 3 is prepared in the storage device 1. The table
3 is produced with relation of respective files F(1), F(2)... secured
between the information on the file Fb(1), the degree of importance, and
the **file** **exchanging** state. When a **read** error is detected, the **file**
F(1) is **changed** 4a by the **file** Fb(1) together with production and
storage 4b of a new back-up file by reference to the table 3 as long as the
file Fb(1) is available. Thus the contents of the table 3 are rewritten. As
a result, the file F(1) stored in the storage device 1 is compensated with
high efficiency and a higher reliable operation is attained in a file
back-up system.

13/5/22   (Item 22 from file: 347)

03114838   **Image available**
RECORDING/REPRODUCING SYSTEM FOR KEY OPERATION

ABSTRACT
PURPOSE: To evaluate the interchangeability of distribution software
packages by **writing** an optional value into a register **file** in place of
a key **switch** to emulate the push/release actions of keys and reproducing
the emulation.

CONSTITUTION: A personal computer 101 to be checked is connected to a
keyboard 104 via a key input emulator 102 consisting of a register **file**

'capable of simultaneous **reading** / **writing** jobs and a keyboard controller. Then an optional value is **written** into the register **file** in place of a key **switch** for emulation of the push/release actions of keys. This emulation is reproduced. In such a constitution, an automatic recording/reproducing system is attained for operations of keys of the computer 101 with use of the software which emulates the key input via the emulator 102 and **records** and **reproduces** the types and the intervals of the key inputs. Thus it is possible to save the labor required for check of the interchangeability of distribution software that is needed in accordance with the model change of the computer 101.

13/5/23   (Item 23 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02896323   **Image available**
INTERFACE FOR AUXILIARY STORAGE DEVICE

PUB. NO.:	01-193923 [JP 1193923 A]
PUBLISHED:	August 03, 1989 (19890803)
INVENTOR(s):	MIZUNO MASAHIRO
	TATENO MINORU
APPLICANT(s):	MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.:	63-018062 [JP 8818062]
FILED:	January 28, 1988 (19880128)
INTL CLASS:	[4] G06F-003/06; G11B-019/02
JAPIO CLASS:	45.3 (INFORMATION PROCESSING -- Input Output Units); 42.5 (ELECTRONICS -- Equipment)
JOURNAL:	Section: P, Section No. 954, Vol. 13, No. 488, Pg. 40, November 07, 1989 (19891107)

ABSTRACT
PURPOSE: To reduce the number of signal lines between a drive controller and a **drive** by providing **switching** circuits which **switch** two kinds of control information and transfer them through the **same** signal lines in the **drive** controller and the drive.

CONSTITUTION: A switching circuit 22 on the side of the **drive** controller 2 **switches** two kinds of input outputs 10a and 15a, 11a and 16a, 12a and 17a, 13a and 18a of a parallel-serial conversion circuit 3 and a serial-parallel conversion circuit 4 and a read/write control circuit 5, and connects them to the same signal lines 24-27. A switching circuit 23 on the side of the **drive** 1 **switches** the inputs and outputs 10b and 15b, 11b and 16b, 12b and 17b, 13b and 18b of a serial-parallel conversion circuit 6 and a parallel-serial conversion circuit, and a read/write circuit 8 and connects them to the signal lines 24-27. Thus, control information on a **read** / **write** action between the **drive** controller 2 and the drive 1 and other information are time-divided and the same signal lines are shared, whereby the number of the signal lines can be reduced.

13/5/24   (Item 24 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02762586   **Image available**
PROGRAM MODIFYING SYSTEM

PUB. NO.:	01-060186 [JP 1060186 A]
PUBLISHED:	March 07, 1989 (19890307)
INVENTOR(s):	KINOSHITA KENJI
	MITA AKIHIRO
APPLICANT(s):	NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.:	62-217207 [JP 87217207]
FILED:	August 31, 1987 (19870831)

ABSTRACT
PURPOSE: To prevent a decline in a call service by copying once the
contents of a **first** storage device into a **second storage** device and
executing an **exchanging** processing after that when the change of a
reading dedicated memory in the **first   storage** device is executed.

CONSTITUTION: When the exchange of the **reading** dedicated memory of a
first   storage device 130 is executed for **modifying** a program, a
second   storage device 140 is mounted onto a system and by using a
terminal 120 for maintenance, an instruction is issued to a central
processing unit 100 to **copy** the contents of the **first   storage** device
130 into the **second   storage** device 140. The central processing unit
suspends the call service once, **reads** out the contents of the **first
storage** device 130 by using a memory bus 161 and writes them into the
second device 140. After the processing that the contents of the **first
storage** device are **written** into the **second   storage** device 140 is
completed, the central processing unit 100 controls a memory bus switching
device 110, switches a memory access destination to the **second   storage**
device 140 and resumes the call service. Thus, the service is not suspended
and the continuity of the call is held.

13/5/26   (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02251597   **Image available**
 DATA   BASE PROCESSING SYSTEM FOR **EXCHANGE** -PROCESSING PROGRAM

ABSTRACT
PURPOSE: To drastically decrease the program- **modification** pertinent to
 data - **base   change** by segmenting a program executing an
exchange-processing and a program directly accessing the data base in
hierarchy.

CONSTITUTION: The **exchange** -processing program 1 and **data** - **base** control
programs 2a and 3b are logically connected through a memory interface by
means of a connecting memory for **data   base** - **read** / **write** -instruction
inputting HI and a connecting memory for instruction-result outputting HO.
In case where the physical location of the **data   base** 3 is **changed** and
at the **same** time a data-structure is **modified** , the structure of the
internal processing the **data   base** 3 is executed through an
inter-processor communication (a). Therefore, the program 1 does not need
to be **modified** in association with the **modification** of the **data   base**
 3.

13/5/28   (Item 28 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

01909857   **Image available**
STORAGE DEVICE

                              ABSTRACT
PURPOSE: To reduce soft errors by detecting the errors after **reading**
 total address space of a **storage** circuit every prescribed times period
required for a refresh cycle, correcting these errors to **write** them in
the **storage** circuit and **shifting** to refresh operation.

CONSTITUTION: After generating internal information through an address
generating circuit 15 every period of integral times of refresh operation
period, a normal **reading** is executed to a **storage** circuit 6
corresponding to the internal address. If there is no error, as a result of
detecting the read data of this address by means of an error
detecting/correcting circuit 8, normal refresh operation is executed in
sequence. On the other hand, if one bit error is detected in the error
detecting/correcting circuit 8, writing is executed after correcting the
said bit, the corrected data is again **written** in the **storage** circuit of
 same address via a switch 2 and an error correction signal generating
circuit 4, and then normal refresh operation is started. Thus it is
possible to save the soft errors by above-mentioned sequential operations
for total address space of the storage circuit 6.

 13/5/32   (Item 32 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

01407998   **Image available**
DUAL STORAGE DEVICE

                              ABSTRACT
PURPOSE: To improve the reliability of the readout content of stored
information˙by performing reading operation while comparing an error check
code generated from write data with an error check code generated from read
data.
CONSTITUTION: Data are **written** in two **storage** devices 1 and 2 at the
 same time and an error check code PE is generated and stored in an error
check code **storage** circuit 4. The **read** signal of the **storage** device 1
or 2 is selected when no signal is inputted in reading operation to
generate an error check code PE', which is outputted while compared with
the error check code PE of the write data; when an error in **read** data is

detected, the readout **storage** device is **switched** immediately. Thus, the collation is carried out invariably prior to output operation to an external circuit, so the reliability of the read contents of stored information is improved remarkably.

 13/5/33   **(Item 33 from file: 347)**
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

01060199   **Image available**
STORAGE DEVICE SYSTEM

PUB. NO.:   57-210499 [JP 57210499 A]
PUBLISHED: December 24, 1982 (19821224)
INVENTOR(s):   KODAMA TAKASHI
APPLICANT(s):   MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:   56-094860 [JP 8194860]
FILED: June 19, 1981 (19810619)
INTL CLASS: [3] G11C-029/00; G06F-011/16; G06F-013/00
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1
                (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 184, Vol. 07, No. 67, Pg. 51, March
                19, 1983 (19830319)

ABSTRACT
PURPOSE: To improve reliability by storing the **same** data in two **storage** devices, and regarding only a two-bit error, which occurs at the same addresses at the same time, as a fault.
CONSTITUTION: One of storage devices 7A and 7B are specified as a master device, and the other is specified as a slave device; and they are **switched** optionall by a **storage** controller 5 and graphs showing the master and slave are added. For data writing, data are **written** in both the master and slave **storage** devices simultaneously, and for data **reading** , data are read out of the master device firstly. If a two-bit error occurs in one **storage** device during **reading** operation, a check on whether the error is an address-over error (whether the storage of data is doubled or not) is made and then the contents of both the storage devices are checked.

 13/5/37   **(Item 4 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014621690   **Image available**
WPI Acc No: 2002-442394/200247
Related WPI Acc No: 2002-731253
XRPX Acc No: N02-348390
   Data storage system for data processing system, has system manager
   operating in two modes such that in one mode logical volume **acts as**
   mirror **to another logical** volume **and in other mode it ceases to act as**
   mirror
Patent Assignee: EMC CORP (EMCE-N)
Inventor: GAGNE M; KOPYLOVITZ H; OFEK Y; VISHLITZKY N
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6370626	B1	20020409	US 99303242	A	19990430	200247	B

Priority Applications (No Type Date): US 99303242 A 19990430
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6370626	B1		24	G06F-012/00	

Abstract (Basic): US 6370626 B1
        NOVELTY - A system manager operates the disk drives in one mode in

which a logical **volume** acts as a **mirror** **storage** for another when
one application is accessed and ceases to act as mirror in another mode
while accessing other application. Disk adaptors, while transferring to
the second mode, accesses parallely all the pending **write** and **read**
requests, for the two logical **volumes** to access respective
applications.
    DETAILED DESCRIPTION - INDEPENDENT CLAIM are included for the
following:
    (1) Method for enabling two applications to manipulate common data;
and
    (2) Data transfer control method.
    USE - Used in data processing system running multiple applications
simultaneously.
    ADVANTAGE - Introduces only minimal interruption to execute
applications by allowing a **storage** device to **switch** between two
operating modes.
    DESCRIPTION OF DRAWING(S) - The figure shows the operation of
various components in response to data transfer request as a flowchart.

        pp; 24 DwgNo 5/12
Title Terms: DATA; STORAGE; SYSTEM; DATA; PROCESS; SYSTEM; SYSTEM; MANAGE;
  OPERATE; TWO; MODE; ONE; MODE; LOGIC; VOLUME; ACT; MIRROR; LOGIC; VOLUME;
  MODE; CEASE; ACT; MIRROR
Derwent Class: T01; T03
International Patent Class (Main): G06F-012/00
File Segment: EPI

 13/5/44   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012851266   **Image available**
WPI Acc No: 2000-023098/200002
XRPX Acc No: N00-017212
  Rotating data access unit in data card drive system
Patent Assignee: DCARD INC (DCAR-N); KING F K (KING-I); LIU J F (LIUJ-I);
  WONG M (WONG-I); OAK TECHNOLOGY INC (OAKT-N)
Inventor: KING F K; LIU J F; KING P; RIYU J; LIU J; MAO S; WONG M; KOSHAL R
 ; CHIANG K
Number of Countries: 023 Number of Patents: 023
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9953496	A1	19991021	WO 99US7817	A	19990409	200002	B
CN 1272208	A	20001101	CN 99800515	A	19990409	200112	
EP 1086464	A1	20010328	EP 99917385	A	19990409	200118	
			WO 99US7817	A	19990409		
KR 2001013598	A	20010226	WO 99US7817	A	19990409	200154	
			KR 99711608	A	19991209		
US 6307709	B1	20011023	US 9881257	P	19980409	200165	
			US 99289276	A	19990409		
US 20010033446	A1	20011025	US 9881257	P	19980409	200170	
			US 99289427	A	19990409		
			US 2001774200	A	20010129		
US 6311893	B1	20011106	US 9881257	P	19980409	200170	
			US 99289280	A	19990409		
US 20010052543	A1	20011220	US 9881257	P	19980409	200206	
			US 99289431	A	19990409		
US 6339569	B1	20020115	US 9881257	P	19980409	200208	
			US 99289271	A	19990409		
US 20020005432	A1	20020117	US 9881257	P	19980409	200212	
			US 99289280	A	19990409		
			US 2001922572	A	20010803		
US 20020014534	A1	20020207	US 9881257	P	19980409	200213	
			US 99289447	A	19990409		
JP 2002515160	W	20020521	JP 99551867	A	19990409	200236	
			WO 99US7817	A	19990409		
US 6417980	B1	20020709	US 9881257	P	19980409	200253	

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                                    US 99289427      A   19990409
US 20020095734  A1  20020725  US 9881257       P   19980409  200254
                                    US 200268338     A   20020206
                                    US 2002102302    A   20020319
US 20020104882  A1  20020808  US 9881257       P   19980409  200254
                                    US 99289566      A   19990409
US 20020138808  A1  20020926  US 9881257       P   19980409  200265
                                    US 99289247      A   19990409
                                    US 2001969288    A   20011001
US 20020186495  A1  20021212  US 9881257       P   19980409  200301
                                    US 99289427      A   19990409
                                    US 2002191959    A   20020708
US 6499659      B1  20021231  US 9881257       P   19980409  200305
                                    US 99433781      A   19991103
US 6502755      B2  20030107  US 9881257       P   19980409  200306
                                    US 99289447      A   19990409
US 6545831      B1  20030408  US 9881257       P   19980409  200327
                                    US 99289427      A   19990409
                                    US 2000688772    A   20001011
US 6574776      B1  20030603  US 99289247      A   19990409  200339  N
US 6588671      B2  20030708  US 9881257       P   19980409  200353
                                    US 99289280      A   19990409
                                    US 2001922572    A   20010803
TW 509877       A   20021111  TW 99105647      A   19990409  200353
```

Priority Applications (No Type Date): US 9881257 P 19980409; US 99289276 A
  19990409; US 99289427 A 19990409; US 2001774200 A 20010129; US 99289280 A
  19990409; US 99289431 A 19990409; US 99289271 A 19990409; US 2001922572 A
  20010803; US 99289447 A 19990409; US 200268338 A 20020206; US 2002102302
  A 20020319; US 99289566 A 19990409; US 99289247 A 19990409; US 2001969288
  A 20011001; US 2002191959 A 20020708; US 99433781 A 19991103; US
  2000688772 A 20001011

Patent Details:

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Patent No  Kind Lan Pg   Main IPC      Filing Notes
WO 9953496      A1 E  30 G11B-025/04
    Designated States (National): CN JP KR
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
    MC NL PT SE
CN 1272208      A       G11B-025/04
EP 1086464      A1 E     G11B-025/04    Based on patent WO 9953496
    Designated States (Regional): AT BE DE ES FR GB IT NL
KR 2001013598 A         G11B-025/04
US 6307709      B1       G11B-023/00    Provisional application US 9881257
US 20010033446 A1        G11B-005/09    Provisional application US 9881257

                                        CIP of application US 99289427
US 6311893      B1       G06K-007/10    Provisional application US 9881257
US 20010052543 A1        G06K-007/08    Provisional application US 9881257

US 6339569      B1       G11B-007/00    Provisional application US 9881257
US 20020005432 A1        G06K-007/10    Provisional application US 9881257

                                        CIP of application US 99289280
US 20020014534 A1        G06K-019/00    Provisional application US 9881257

JP 2002515160 W      27 G11B-021/02     Based on patent WO 9953496
US 6417980      B1       G11B-021/02    Provisional application US 9881257
US 20020095734 A1        A61C-017/22    Provisional application US 9881257

                                        CIP of application US 200268338
US 20020104882 A1        G06K-007/10    Provisional application US 9881257

US 20020138808 A1        G06F-011/00    Provisional application US 9881257

                                        CIP of application US 99289247
US 20020186495 A1        G11B-021/02    Provisional application US 9881257

                                        Cont of application US 99289427
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US 6499659    B1        G06K-007/08    Cont of patent US 6417980
US 6502755    B2        G06K-019/00    Provisional application US 9881257
US 6545831    B1        G11B-005/09    Provisional application US 9881257
                                       Provisional application US 9881257
                                       CIP of application US 99289427
                                       CIP of patent US 6417980
US 6574776    B1        G06F-011/00
US 6588671    B2        G06K-007/00    Provisional application US 9881257
                                       CIP of application US 99289280
                                       CIP of patent US 6311893
TW 509877     A         G06K-007/00
```

Abstract (Basic): WO 9953496 A1
        NOVELTY - A data access unit performs a rotational movement for
    accessing data over arc segments of rotational movement. A data signal
    transformer (120) transforms data signal related to data accessed by
    pick-up head (150). A movable carriage (115) carries out horizontal
    linear movement of the access unit.
        DETAILED DESCRIPTION - A motor (110) mounted at a fixed position on
    the movable carriage drives the pick-up head and is controlled along
    with the carriage by a servo control. A lifting mechanism is provided
    for loading and unloading of the pick-up head. A **switch** is mounted on
    the **drive** device for moving the pick-up head for accessing the data
    at user intended location and LCD panel displays the location. An
    INDEPENDENT CLAIM is also included for data storage card.
        USE - In data card **drive** system for **reading** and **writing** data
    cards of PCMCIA type or common credit card size.
        ADVANTAGE - All data tracks have **same** length for data **storage**
    and data bits are stored with uniform density, thus data access is
    performed over data storage medium surface. A subsystem is provided
    with local memory storage for convenient interface with personal
    computer or peripheral devices to achieve higher speed operations.
        DESCRIPTION OF DRAWING(S) - The figure shows the top view of data
    card drive system.
        Motor (110)
        Movable carriage (115)
        Data signal transformer (120)
        Pick-up head (150)
        pp; 30 DwgNo 1A/4
Title Terms: ROTATING; DATA; ACCESS; UNIT; DATA; CARD; DRIVE; SYSTEM
Derwent Class: P32; T03
International Patent Class (Main): A61C-017/22; G06F-011/00; G06K-007/00;
    G06K-007/08; G06K-007/10; G06K-019/00; G11B-005/09; G11B-007/00;
    G11B-021/02; G11B-023/00; G11B-025/04
International Patent Class (Additional): G06K-007/14; G11B-003/00;
    G11B-005/52; G11B-005/55; G11B-005/58; G11B-005/596; G11B-007/0033;
    G11B-007/085; G11B-007/12; G11B-017/00; H03M-013/00
File Segment: EPI; EngPI

 13/5/45   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012783197   **Image available**
WPI Acc No: 1999-589423/199950
XRPX Acc No: N99-434595
  Magnetic storage system for storing binary bit information
Patent Assignee: UNIV MINNESOTA (MINU)
Inventor: CHOU S Y
Number of Countries: 001   Number of Patents: 001
Patent Family:
```
Patent No     Kind    Date     Applicat No    Kind    Date       Week
US 5956216    A    19990921    US 95448807    A    19950524    199950  B
                               US 96762781    A    19961210
```

Priority Applications (No Type Date): US 95448807 A 19950524; US 96762781 A
   19961210

Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 5956216   A   14 G11B-005/74   Div ex application US 95448807
                                     Div ex patent US 5820769

Abstract (Basic): US 5956216 A
        NOVELTY - Several single domain magnetic storage elements (16) are
    placed vertically on a non-magnetic substrate (14). Each magnetic
    storage element has **same** size, shape, and is also made of same
    material. Each of these magnetic elements is anisotropic so that
    without an external magnetic field, the magnetic moments of each
    magnetic elements are automatically aligned.
        DETAILED DESCRIPTION - Each discrete magnetic element represents
    binary bit of information. Each of these discrete magnetic elements is
    separated from each other by a non-magnetic material (18). The spacing
    between two neighboring discrete magnetic elements is made larger than
    5 nm to reduce **exchange** interaction between magnetic **storage**
    elements. **Read - write** head is provided to **read** and write binary
    bit information to the magnetic elements. An INDEPENDENT CLAIM is also
    included for magnetic storage medium.
        USE - For storing binary bit information.
        ADVANTAGE - As the writing process does not define location, shape
    and magnetization value of bit, the writing process is simplified. As
    the spacing between each magnetic elements is made large, the exchange
    interaction between elements is reduced. As each magnetic element is
    separated by non-magnetic material, the disk can track every bit
    individually. The reading is less jittery as boundary between each bits
    is well defined.
        DESCRIPTION OF DRAWING(S) - The figure shows the magnetic storage
    medium system.
        Non-magnetic substrate (14)
        Single domain magnetic storage elements (16)
        Non-magnetic material (18)
        pp; 14 DwgNo 1B/8
Title Terms: MAGNETIC; STORAGE; SYSTEM; STORAGE; BINARY; BIT; INFORMATION
Derwent Class: T03
International Patent Class (Main): G11B-005/74
International Patent Class (Additional): G11B-023/00
File Segment: EPI

 13/5/53   (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

009206313   **Image available**
WPI Acc No: 1992-333734/199241
XRPX Acc No: N92-254742
 Accessing bank of data storage devices with computer - allowing direct
 accessing of computer drive controller to every non-volatile data
 storage **device of** drive **bank to** read **or** copy **data into separate**
 storage **media**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: ADAMS B A; STEVENS M R
Number of Countries: 005 Number of Patents: 003
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
EP 507503   A2   19921007 EP 92302637   A   19920326 199241 B
EP 507503   A3   19930929 EP 92302637   A   19920326 199509
US 5678023   A   19971014 US 91681013   A   19910405 199747
                             US 94308466   A   19940919

Priority Applications (No Type Date): US 91681013 A 19910405; US 94308466 A
    19940919
Cited Patents: No-SR.Pub; EP 266789; WO 8707405; WO 9101021
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 507503   A2 E   15 G06F-003/06

Abstract (Basic): EP 507503 A
        The apparatus comprises a drive bank including a number of
independently operable nonvolatile data **storage** devices. Each **reads**
data out from, and **copies** data into, separate **storage** media. The
number of nonvolatile data storage devices exceeds the set maximum
number of devices within the range of control.
        A control interface electrically coupled between the drive bank,
controller and the computer receives signals for selectively enabling
and disabling selected ones of the devices in the drive bank. The drive
controller is thus allowed direct access to every data **storage** device
of the **drive** bank to **read** data out from, and **copy** data into, each
separate **storage** media.
        USE/ADVANTAGE - Minimises amount of human attention and
interaction required in transferring lengthy files which exceed storage
capacity of storage media employed.
        Dwg.2/5
Title Terms: ACCESS; BANK; DATA; STORAGE; DEVICE; COMPUTER; ALLOW; DIRECT;
  ACCESS; COMPUTER; DRIVE; CONTROL; NON; VOLATILE; DATA; STORAGE; DEVICE;
  DRIVE; BANK; READ; COPY; DATA; SEPARATE; STORAGE; MEDIUM
Derwent Class: T01; T03
International Patent Class (Main): G06F-003/06; G06F-013/00
International Patent Class (Additional): G06F-009/455
File Segment: EPI

05667401   **Image available**
INFORMATION STORAGE AND MANAGEMENT DEVICE

PUB. NO.:   09-282201 [JP 9282201 A]
PUBLISHED: October 31, 1997 (19971031)
INVENTOR(s):   SAITO ATSUSHI
                MATSUZAWA SHIGERU
                TAKIYASU YOSHIHIRO
APPLICANT(s):   HITACHI LTD [000510] (A Japanese Company or Corporation), JP
                (Japan)
APPL. NO.:   08-090783 [JP 9690783]
FILED: April 12, 1996 (19960412)
INTL CLASS: [6] **G06F-012/00** ; **G06F-003/06** ; **G06F-003/06** ; G11B-027/00
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 42.5
                (ELECTRONICS -- Equipment); 45.3 (INFORMATION PROCESSING --
                Input Output Units)

ABSTRACT
PROBLEM TO BE SOLVED: To provide an information storage and management
device for improving the utilization efficiency of the medium capacity of a
storage medium and facilitating the management of stored information.

SOLUTION: The storage device for storing the information on numbers is
constituted of a **first   storage** device constituted of a recording and
reproducing means 12 and the **exchangeable   storage** medium 11 loaded to
the recording and **reproducing** means 12 for performing recording and
reproduction , the **storage** device 7 of management information for
storing the number of times of the access of other information accessed in
relation to certain information as history management information and the
second   storage device of high access performance and small storage
capacity and is provided with a computer 2 for controlling the recording
and **reproducing** operation of the **storage** device further. The computer 2
stores second information relating to first information along with the
first information altogether in the **same   storage** medium of the
storage device 1 based on the history management information stored in
the storage device 7 of the management information.

04097119   **Image available**
EXTERNAL STORAGE DEVICE CONTROLLING SYSTEM

PUB. NO.:   05-088819 [JP 5088819 A]
PUBLISHED: April 09, 1993 (19930409)
INVENTOR(s):   MISEKI SHINOBU
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP
                (Japan)
APPL. NO.:   03-249742 [JP 91249742]
FILED: September 27, 1991 (19910927)
INTL CLASS: [5] **G06F-003/06** ; **G06F-003/06**
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units)
JOURNAL: Section: P, Section No. 1589, Vol. 17, No. 432, Pg. 126,
                August 10, 1993 (19930810)

ABSTRACT
PURPOSE: To automatically alternate an error area without stopping a user
work and to repair the data of an external storage device after one unit of
the external **storage** device which is redundant is **exchanged** , in
parallel to the user work.
CONSTITUTION: **Two** external **storage** devices are classified into a **main**
external **storage** device 16 and a sub-external **storage** device 17 and

the **same** data are stored in both **storage** devices. That is, external storage devices 16 and 17 are in a redundant relation. An I/O control means 12 converts and delivers the request designated from a user to a low-order module. An external storage device control means 13 controls the external storage devices 16 and 17 based on the request received from the I/O control means 12. An automatic alternating means 14 performs automatically the alternate processing. A repairing function means 15, when one unit of the external **storage** devices 16 and 17 is **exchanged** , makes the user data, etc., of the exchanged one unit into the usable condition during the operation of the user work.

15/5/7   (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
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04000049   **Image available**
FILE BACKUP SYSTEM FOR INFORMATION PROCESSING SYSTEM

PUB. NO.:   04-365149 [JP 4365149 A]
PUBLISHED: December 17, 1992 (19921217)
INVENTOR(s):   OKAWACHI KAZUTAKA
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP
                 (Japan)
APPL. NO.:   03-140497 [JP 91140497]
FILED: June 13, 1991 (19910613)
INTL CLASS: [5] **G06F-012/00 ; G06F-012/16**
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 1535, Vol. 17, No. 242, Pg. 130, May
                 14, 1993 (19930514)

                              ABSTRACT
PURPOSE: To always restore a faulty file without a magnetic tape by simple remodeling.

CONSTITUTION: This system is provided with **first** and **second** backup **files** which are not managed by the system. The system is in a state T2 after maintenance work, and a maintenance file is updated into a **file** B. Thereafter, **file** **switching** is performed by a **file** **switching** processing means 103, and a state T3 is set, and a state T5 corresponding to a state T1 is set by **file** **copy** . If fault occurs in an online **file** during execution of the maintenance work, contents of the **first** backup **file** are **copied** to the online **file** , and thereafter, online and maintenance **files** are **switched** by the **file** **switching** processing means 103. As the result, the online file is in the latest generation.

15/5/8   (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

03868555   **Image available**
DUPLEX MEMORY CONTROLLER SYSTEM CAPABLE OF HANDLING DUPLEX **MAIN   STORAGE** DEVICE

PUB. NO.:   04-233655 [JP 4233655 A]
PUBLISHED: August 21, 1992 (19920821)
INVENTOR(s):   NAKAGAWA TOSHIKAZU
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP
                 (Japan)
APPL. NO.:   02-415474 [JP 90415474]
FILED: December 28, 1990 (19901228)
INTL CLASS: [5] **G06F-015/16 ; G06F-011/00**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 45.1
                 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 1463, Vol. 16, No. 586, Pg. 2,
                 December 25, 1992 (19921225)

ABSTRACT
PURPOSE: To easily execute backup when an operating system(OS) detects software error and to execute backup as well even when error is generated at a memory controller at an information processing system equipped with a duplex **main** **storage** device and the memory controller.

CONSTITUTION: An OS load means is provided to load the OS in a **secondary** **storage** device to the **active** **main** **storage** device in the case of an initial boot strap request, and a first OS copy means is provided to copy the memory contents of the above-mentioned **active** **main** **storage** device to the other **main** storage device. Then, a **main** **storage** device **switching** means is provided to **switch** the **active** **main** **storage** device to a standby **main** **storage** device in the case of the boot strap request after the second one, and an OS copy means is provided to execute copying from an OS **storage** **main** **storage** device for **copy** to the **active** main **storage** device. Further, a memory controller **switching** means is provided to switch the active memory controller to a standby memory controller when error is generated at the active memory controller.

15/5/9   (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

03823363   **Image available**
DISK DRIVING APPARATUS

ABSTRACT
PURPOSE: To make it possible to select a disk drive at a position where the number of drives which can be accessed at one time is not decreased in the arrangement of the disk drives constituting a group even after the **switching** of a disk **drive** when a fault occurs in the disk drive by providing a standby drive in a logical drive group.

CONSTITUTION: A disk-array controlling device 70 controls a disk array device 80 in accordance with the instruction from a CPU 60. At this time, a logical drive group has a standby drive. When a fault occurs in any drive and the standby **drive** is present in the **same** group as the faulty **drive** , or when the standby **drive** which is controlled by the **same** control means as the control means controlling the faulty drive is present, the **first** mode is started, and the **drive** is **switched** . When the standby **drive** is not present, the **second** mode is started, and the **drive** is **switched** . Such a function is provided. Thus, the performance of each group wherein the standby **drive** is used by the **switching** when the fault occurs in the **drive** can be maintained at the **same** performance as one before the switching.

15/5/10   (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
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03807409   **Image available**
OPTICAL COMPUTER

PUB. NO.:   04-172509 [JP 4172509 A]
PUBLISHED: June 19, 1992 (19920619)
INVENTOR(s):   KURODA YASUHISA
APPLICANT(s):   NIPPON SHEET GLASS CO LTD [000400] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:   02-301603 [JP 90301603]
FILED: November 07, 1990 (19901107)
INTL CLASS: [5] **G06F-001/00**
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other)
JOURNAL: Section: P, Section No. 1432, Vol. 16, No. 483, Pg. 85,
                October 07, 1992 (19921007)

ABSTRACT
PURPOSE: To double an amount of operation per unit area by separating an
input image into two, by shifting one image as it is, further by reversing
and shifting the other image, and furthermore overlaying these two images.

CONSTITUTION: An image that is output from an image input section 1 is
duplicated into two at a separator 2. One of two duplicated images output
from the separator 2 is reversed by a reverser 2, and stored and **shifted**
in the first input image **storage / shift** section 4. Further, the other
duplicated image to be output from the separator 2 is stored and **shifted**
in the **second** input image **storage / shift** section 5. Images output
from shift sections 4 and 5 are treated for image formation by coupler 6,
and is overlayed by an input image overlay section 9 onto an image stored
in the past by the input image overlay section 9. An image output from the
overlay section 9 is masked 8, and reversed at a threshold value processing
section 9. An image output from the processing section 9 is **shifted** by a
mask image **storage . shift** section 10 in accordance with a replacing
pattern, and is overlayed by a mask image overlay section 11 onto an image
stored in the past and stored therein.

 15/5/13   (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO
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02899027   **Image available**
SYSTEM FOR UPDATING SOFTWARE

PUB. NO.:   01-196627 [JP 1196627 A]
PUBLISHED: August 08, 1989 (19890808)
INVENTOR(s):   TANAKA AKIRA
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP
                (Japan)
APPL. NO.:   63-021074 [JP 8821074]
FILED: January 30, 1988 (19880130)
INTL CLASS: [4] **G06F-009/06 ; G06F-003/06 ; G06F-012/00**
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
                45.2 (INFORMATION PROCESSING -- Memory Units); 45.3
                (INFORMATION PROCESSING -- Input Output Units)
JOURNAL: Section: P, Section No. 955, Vol. 13, No. 492, Pg. 129,
                November 08, 1989 (19891108)

ABSTRACT
PURPOSE: To shorten the stop period of an information processor by
providing a **second** file , which can be used instead of a **first** file ,
with **exchanging** a **file** name, which is stored in an index data file,
separately from the **first** file .

CONSTITUTION: Separately from a **first**   file 21 to be provided in a
storage 20, for which it is difficult to remove a storing medium, a **second**
    file 22 is provided in the **same**   **storage**   20. Then, while an
information processor 10 is normally operated, a new software such as an

`updating software, etc., is registered to the **second file** 22 and the **exchange** between the **file** name of the **first file** 21 in an index data file 23 and the file name of the **second file** 22 is executed. Accordingly, the registration processing of the new software to the storage, which needs a long time, can be executed while the information processor 10 is normally operated. Thus, the stop period of the information processor can be shortened.

15/5/17   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013500021   **Image available**
WPI Acc No: 2000-671962/200065
XRPX Acc No: N00-498129
   File system data integrity in a single system image environment, involves performing filesync operation to cause server node to update information in file by including file change
Patent Assignee: COMPAQ COMPUTER CORP (COPQ)
Inventor: CHOW W W; WALKER B J; ZAFMAN D B
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 6122629   A   20000919 US 9870897   A   19980430 200065 B

Priority Applications (No Type Date): US 9870897 A 19980430
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6122629   A   17 G06F-017/30

Abstract (Basic): US 6122629 A
       NOVELTY - The method involves performing filesync operation to cause a server node to update the information in a file by including file change after asynchronously forwarding file change from the client cache of the first client node to the server node.
       DETAILED DESCRIPTION - The method begins by storing **copies** of information from the **file** in the client caches of the first and second client nodes, in which the information stored in the client caches can be access by the processes running on the **first** and **second** client nodes. A **file** change is executed to the information stored in the client cache of the **first** client node. The **file** change is then stored in the client cache of the first client node.
       USE - For increasing file system data integrity in an environment where file system is shared by a group of computers.
       ADVANTAGE - Increases availability of computer file systems. Provides configurable protection of data within caches during various forms of node failure within small scale integration (SSI) cluster. Provides two levels of data protection. Allows multiple cluster file system (CFS) client instances to simultaneously modify different parts of the **same file** . Prevents CFS from unnecessarily **switching** between operational modes in case **file** is closed and then quickly reopened. Avoids expense of initiating shared mode operation for a short time duration following process migration.
       DESCRIPTION OF DRAWING(S) - The figure is a block diagram showing the interaction between the application processes and file system using the CFS.
       pp; 17 DwgNo 2/13
Title Terms: FILE; SYSTEM; DATA; INTEGRITY; SINGLE; SYSTEM; IMAGE; ENVIRONMENT; PERFORMANCE; OPERATE; CAUSE; SERVE; NODE; UPDATE; INFORMATION; FILE; FILE; CHANGE
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

15/5/21   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011220980   **Image available**
WPI Acc No: 1997-198905/199718
XRPX Acc No: N97-164394
    File   exchange **method of communication system - by copying
    predetermined data in** active   file **to predetermined position in new
    file.**
Patent Assignee: FUJITSU LTD (FUIT); NIPPON TELEGRAPH & TELEPHONE CORP
    (NITE)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 9054690   A   19970225 JP 95205896   A   19950811 199718 B

Priority Applications (No Type Date): JP 95205896 A 19950811
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 9054690   A   11 G06F-009/06

Abstract (Basic): JP 9054690 A
      The **file   exchange** method controls the efficiency of the main
    signal processing part according to an **active   file** using a control
    part (21). Then the **secondary** memory (31) maintains the new **file** .
    The predetermined data in an **active   file** is **copied** to a
    predetermined position in a new **file** in the implementation of the
    communication system. Then the new file after copying is loaded to the
    main memory (22). Then the implementation of the communication system
    is resumed by the new file after loading.
      In another process, the predetermined data in an **active   file** is
    copied in an empty area of the secondary memory or **main** memory. The
    new **file** of the secondary memory is loaded to the main memory after
    copying. Then the copied data is moved to the predetermined position in
    the new file. Then the implementation of the communication system is
    resumed by the new file. ADVANTAGE - Reduces cost. Satisfies conditions
    of implementation **file   exchange** . Decreases processing time.
      Dwg.1/13
Title Terms: FILE; EXCHANGE; METHOD; COMMUNICATE; SYSTEM; COPY;
  PREDETERMINED; DATA; ACTIVE; FILE; PREDETERMINED; POSITION; NEW; FILE
Derwent Class: T01; W01
International Patent Class (Main): **G06F-009/06**
International Patent Class (Additional): **G06F-011/20 ; G06F-012/00 ;
  G06F-013/00** ; H04Q-003/545
File Segment: EPI

 15/5/22   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011173262   **Image available**
WPI Acc No: 1997-151187/199714
XRPX Acc No: N97-124999
    Disk volume   duplication **used during formatting of disk - involves
    controlling writing of same data in recording locations of** first **and**
    second   volumes **and read-out of data from** first **and** second   volumes

Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 9026859   A   19970128 JP 95197024   A   19950710 199714 B

Priority Applications (No Type Date): JP 95197024 A 19950710
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 9026859   A   17 G06F-003/06

·Abstract (Basic): JP 9026859 A
        The method uses a formatting control part (400) which controls the
    congruency between **first   volume** (100) corresponding to poor track
    and **second   volume** (200). Substitution track **switching** processing
    and defect skip processing are performed when data format pertains to
    CKD format. When the data is stored in the sector format the poor
    sector and the substitution sector switching processing is controlled.
        A selection controller (46) controls the writing of **same** data in
    recording location of **first   volume** and that of **second   volume** . A
    ring signal selection controller (47) performs controlled read- out of
    data either from the **first   or second   volumes** .
        ADVANTAGE - Avoids reduction performance due to search operation
    after **duplication** of **volume** during read-out operations. Improves
    reliability of data efficiently.
        Dwg.1/12
Title Terms: DISC; VOLUME; DUPLICATE; FORMAT; DISC; CONTROL; WRITING; DATA;
   RECORD; LOCATE; FIRST; SECOND; VOLUME; READ; DATA; FIRST; SECOND; VOLUME
Derwent Class: T01; T03
International Patent Class (Main): **G06F-003/06**
International Patent Class (Additional): G11B-020/12
File Segment: EPI

   15/5/26   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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007790207   **Image available**
WPI Acc No: 1989-055319/198908
Related WPI Acc No: 1989-055318
XRPX Acc No: N89-042160
   **Duplex-paired devices maintenance for data processor – uses states
   information which allows only changed** records **to be** copied **to
   secondary device of dual copy**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: BEARDSLEY B C; BERGER B H; BOULIA L H; SMITH B P; VOSACEK R H
Number of Countries: 006 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 303856	A	19890222	EP 88112033	A	19880724	198908	B
US 5051887	A	19910924	US 90614983	A	19901119	199141	
EP 303856	B1	19950405	EP 88112033	A	19880726	199518	
SG 9401502	A	19950317	SG 941502	A	19941017	199522	
DE 3853503	G	19950511	DE 3853503	A	19880726	199524	
			EP 88112033	A	19880726		

Priority Applications (No Type Date): US 8787331 A 19870820; US 8789151 A
   19870825
Cited Patents: 2.Jnl.Ref; A3...9037; EP 156179; No-SR.Pub; US 4207609; US
   4686620
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 303856	A	E	17		

   Designated States (Regional): DE FR GB IT

EP 303856	B1	E	18	G06F-011/20	

   Designated States (Regional): DE FR GB IT

SG 9401502	A				Previous Publ. patent EP 303855
DE 3853503	G			G06F-011/20	Based on patent EP 303856

Abstract (Basic): EP 303856 A
        The system assigns a predetermined number of bits for each of the
    records to identify changes to the record. A cell number is stored
    comprising the predetermined number of bits for each of the records
    from the **first** data **storage** device on a stack. The stack is checked
    to identify a set of records which changed. The set of records which
    have changed are written to the **second** data **storage** device. The
    response to any data storage device failures comprises replacing a
    falling data storage device with a functioning one of the data storage

devices. The is updated in the joint array structure with information identifying the functioning data storage device as the replacement fo rthe failed data storage device.

An initial memory load of a data storage device is prevented from successfully completing unless the controller identification number and the device identification number in the status table of the controller match the device and controller identification numbers on the device status track of the data storage device.

Dwg.2/5

Title Terms: DUPLEX; PAIR; DEVICE; MAINTAIN; DATA; PROCESSOR; STATE; INFORMATION; ALLOW; CHANGE; RECORD; COPY; SECONDARY; DEVICE; DUAL; COPY

Derwent Class: T01

International Patent Class (Main): **G06F-011/20**

International Patent Class (Additional): **G06F-011/14 ; G06F-011/16 ; G06F-012/00 ; G06F-013/12**

File Segment: EPI